

<400> 19202

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tgtattgtag cgttgcggtc atggcgatta cgttgctggt ttttgggtat atcaagaccg 720  
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<210> 19203

<211> 809

<212> DNA

<213> *Aspergillus nidulans*

<400> 19203

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cggagcccta ctatcgtgca ggaagattgg tccggaggga gccagtaatt gttgagcatc 360  
cacttgctcg gacacatcca gtgacagggg agaaggcact ttttgtcaat gcatgtgagt 420  
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<213> *Aspergillus nidulans*

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cctgagagga cgtccactcc tccaggagca taccaacctc gaaagcgcgg attgtctctt 660  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19205

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tgaacgcaat caaactcatt ggtacattgg cctcccgga tctctgcacc gtgacaacga 240  
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caaaggttct aggcgaaggc ctgatttccg ttgcaggaag acgggcgtca aagcctcaag 420  
cgcagaaaag ccgaaagcaa gccctagagc agcaaagacg gaaaatggaa cgcgaagagc 480  
gccagaagca gaaggactcc tcgtccggat ggagactatc gacaccaaag atagccgaac 540  
aaattctaga caatgacgac tccgactcag agacgccga acaagcggtc cattcggcaa 600  
atatcatctc tgcttgggca gccggctcat ctgcgcagca agaaccgcac gacctgcgcg 660  
ttcgtgcctc agcactctcc atcctcgcaa cggccatcca aacaaacatc acagggttg 720  
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<210> 19206

<211> 811

<212> DNA

<213> *Aspergillus nidulans*

<400> 19206

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attgagcacg gcgacgtcaa caagcctcga gaatgttcgc aaggcaaaca gagacgggcc 360  
aagatggtac cagctctatt ggcccagcaa cgagcatcac gacatcacgg ctagtctgct 420  
gaaaagagcc aaagagaatg gatataaggt gcttgttgta acattggata cgtatatgct 480

cggtggcgg cctagtgtgc tgcacaatgg ttataatccg tttctacgca acgataacat 540  
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 agccgaggtg gaggaggatg ttgggaagcg agcacaggaa tgggcgcata caatcttccc 660  
 ggggtacaagc cacgggtggg aggatatcag cttcttaaag gagcattggg atgggccaat 720  
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<210> 19207  
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 <213> *Aspergillus nidulans*  
 <400> 19207

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 ggggtacagac atatcgacac tgcgcgcgtc tacgggtactg aagccgcagt tggccgtgcg 180  
 atcaagaaat ctggcatccc gcgtaaccag atcttctctga ctaccaagat ctggaacaac 240  
 aagcaccacc cagacgcagt ggcacaggca ctgcaagatt ctctcaacga cctggatcag 300  
 gattacgtcg acctgctgct catccactgg cccgtcgcct ttaagcgcg gacggagcag 360  
 ttcccgaaaa ctgaagacgg aaaaccggct gtcgcggata cagattatct tgacacctac 420  
 aaagcttttg agaagctact cagcaccggc aaggtcaaag ctatcggggt ctcaaacttt 480  
 agcaaggctg agatggagcg gatcctggcg aacgcgactg tccctcccgc cgtgcaccag 540  
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 acgatcggcc ggctgattga ggatccagtg ctggtggaga ttggcaaaaa gtataacaag 720  
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<210> 19208  
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 <212> DNA  
 <213> *Aspergillus nidulans*



<400>

19208

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tactttgcgc atatacgc aa ggcgtaaccag gatgagctga agatcctcta cgatgctggt 180  
tgccgcaacg tgcagtttga cgaccccaac ctcgttttga cgtctcttgc cagtaaaacc 240  
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gaagatcccc tgaacacct cagcgccgac gagacttttg agaagtacat caagctctac 360  
aacgactgtc tcgccacccg ccccaaggat ttccacgttg gtgtccacct ctgccgcggc 420  
aacttcgtcg gtcgcgcga cttctccgag ggcggtacg accgcagtcg gaccaagctc 480  
ttcaaggaac tcaacgtcga cacctactac cttgagtacg acacccccg cgccggtggg 540  
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tcattgccga gggtaatgyc atcactctcg agcaggcgct tgatcagggt ggtgtcagtc 720  
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<210> 19209

<211> 813

<212> DNA

<213> *Aspergillus nidulans*

<400> 19209

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tgagtgcgac gccatggact acgtgctggg ctacacgtgc agcaacgacg tgagcgctcg 300  
cacgcagcag tttaagaata gccagtggag cttttcaaaa ggtaagcgga gcagactggc 360  
actcccagct cgtcttttgt tgtcccgtt gagcctgact ttgaatgtta gggcttgatg 420  
gctcgtgtcc gctaggacct gtcttggtgg ctccctcaga agtcgacccg caccagctcg 480

atatcaaggc tattcacaat ggattagtgg tgcaggactc caacacgagg taagaccagt 540  
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 aaatcatcgc gttcctatcg cagggcacca ccctggagcg aggcacggtg atcatgacgg 720  
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 <212> DNA  
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 cctcttactg gaccccgctg cgtgtccaag atcatcaccg accttgctgt gtttgaggtc 720  
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<210> 19211  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19211

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tgtaccaaag acccaactgcc gatggacatc gacttccttg tccaagacac gtactctctc 180

acccgccccg aatggacctt agttacggaa ctagacgaag ctagccgtat cttcggcgag 240

gctgttgccc agaatttcaa gccacaagag gagaagcctg aaccgagga agaatcggag 300

gatagtggat cagatgagga tctggaagaa gacgcatttc cagagccga cgaggaagga 360

gagtcgagtg atgaggccga tgtaagtga ccagcatact ctgctgatca atgctaacaa 420

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attcaacccc agctcccgtt tctcgcctg ctcagtcgtc cggtaacaat gcgttctctt 720

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cttttgccgt tgccatgaga agccagcagc aggc 814

<210> 19212

<211> 815

<212> DNA

<213> *Aspergillus nidulans*

<400> 19212

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<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 19214

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ttgagaagaa agttaaaactg cgcaagtttg ataagtacgt gactgacgtg cagatcaatg 720  
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ttagtagtga tatggctggc agtagagact gttaa 815

<210> 19215

<211> 816

<212> DNA

<213> Aspergillus nidulans

<400> 19215

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cttcaaatcc ggaatcggtc ttggacgtca cctggtgtgt tcagtcaaga cttcggctct 240  
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agcccccaca tcagtctctga tttctgagct aatcaatcta caggaattct acatcccggc 420  
agaatcatcg tcgatccatt acctccgac aaccctttgc gttggttggt ctcgtggcct 480

cgaggttgtc agtctggaaa cgacagagac tcaatctctt ctggaccaag cagacacatc 540  
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agaattccta ctgaactaca gcgacttttc attcttcggt aaccgcaatg gttggcgtgc 660  
gcgggcggat tggaagatct cctgggaagg gaatcccaat tcttttgca tctcattgcc 720  
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<211> 816  
<212> DNA  
<213> *Aspergillus nidulans*

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ggagattggc ggttcgatcc aacctactgg ccaaattccag ctgcgatggt caaggagctg 180  
aggggaatgg ggattgagct aatggtcagt atatggcca cggtgataa gcggagcgag 240  
aactaccgca aatgttggg gaaagggttt ctcacccgca ccgatcgagg agtccgtacg 300  
gcatgagact ttcaaggaga taccatacac tttagcgcaa ctcaccagg tgccgagca 360  
tacgtctggg agaaatgcaa aacaaattat tacgattatg gcgtccgtgc cttctggcct 420  
gatgaagcag agccagagta caaggcctat gactttgata attatcgata ctaccaagga 480  
ccaaacacag caattggaaa catctatcca ctagaatatg cacgggcatt ctacgagggg 540  
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caaaaatacg gagcccttgt gtggagtggc gatattgctt catcttggga aagctttcag 660  
caccaacttg ttgcaggcct ccacatggga ttatgtggca ttccgtgggt gacaacagat 720  
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<210> 19217  
<211> 817  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19217

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<400> 19218

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<213> *Aspergillus nidulans*



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<212> DNA

<213> *Aspergillus nidulans*

<400> 19221

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 <213> *Aspergillus nidulans*

<400> 19223

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<212> DNA

<213> *Aspergillus nidulans*

<400> 19224

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<400> 19226

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<213> *Aspergillus nidulans*

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attgacattc gcagttcgct gagccttcgc ctgatgcgga tttagcgcca atacgccgac 420  
tcatttgtgg aggggcggtt gggataacct caggtttgta taccaacctt acgaaacaca 480  
ttattcttac tttagcaaaa ctaacattgc ctacgcaatt ggcgtgacca gtcattgtaa 540  
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tcaagcgtga tagcgccggc gagaagtgtc cgggaatgtt tacgaccatg gttttagtct 660  
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ttgcccccta tgtatgattt ccaggcgtag tggacaatcg tccttgagtg acatcagctg 780  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19230  
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gttgcaactc gtccctttga ggcagtcaaa gtgcgcacgc agacgaccat tccgcccag 180  
ttccgctcca cgtttggcgg gatctctgct gttgtcgcaa aagaagggac agctgggtaa 240  
gcaggcgctt atgctgcctt aacctgatac taatagggcc agactataca agggtttgta 300  
tccgctctgg ggccgacaga tcccctatac catgatgaaa ttcgcttctt ttgaaaatat 360  
tgtcgaggcc atttaccact acctcccggt ccaaaagtca gactacaaca aaggcgcgca 420  
gactgctgtc gcattcactg gaggatatct tgccgggtatt ctgtgtgcga tcgtctctca 480

tctcgccgat gttatgggtga gtaagttgaa cgcaaategc ctgcctgggtg aggcctttgg 540  
 tgccgccaca ggcaggattt acaaggaaat cggctttatg ggtctatgga acggcctccc 600  
 cgtcaggatc atcatgatcg gaacattggt gagttcatat acagttattc ctaggccgat 660  
 gctaactcta ctccgtactg tagaccggtc tgcaatggat gatgtatgta tttccttgct 720  
 cgacttccaa cctatccgaa gcggaatcgg agctttcagg cggcatgtac tgacttaggt 780  
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<210> 19231  
 <211> 828  
 <212> DNA  
 <213> Aspergillus nidulans

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 gcggcaatgg ttccagacaa cggagggtgt gtcttcgtca cagccttcag tggctctctt 180  
 gcgccatact ggattgatga cgccaaggga acaatttggt agtatattct caattattta 240  
 ctggactgta actgatcagc tctagttgga atcacgcaac ataccaacg tggtcacatc 300  
 gcacgtgcga ctatggaggc cgcctgcttc caaaccaaag cgattctcga tgccatggag 360  
 atggacagtg ggcactccct ctctcagctc gccgtcgacg gaggaatgag caactcggat 420  
 atctgcatgc aggtgagttg cgaacttaat ttctgtactat cagtataaaa taagctaact 480  
 tctttgcccc tcagacccaa gcagacatca ttcaaattcc cgtcgaacga ccggccatgc 540  
 atgagacgac agcgctgggc gcagcaatcg ccgccggctt cgccatcgat atctggaagg 600  
 aatttgatga acttaaaaac atgaaccgcg ccaaccgaac ctcatcacc cccgcaatct 660  
 cccgcaaca aagccagaag atgtataaac agtgagacga agccgtcgaa atgtctcgcg 720  
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 cattccgtgt ttctataatg atacaaccag tcgagccggt gaccggac 828

<210> 19232  
 <211> 828  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 19232

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ctacggcaac gaagttgagg ctgggcaggg cgtcgccttc gccatcaag agggcatcgt 240  
gaaacgctcg gatctcttca tcgtctccaa gctctggaac agcttccacg atggcgagcg 300  
cgtcgagcct atcgcgcgca agcagctgtc cgactgggga atcgactact tcgacctgta 360  
catcgtgcac ttccccgtct cgctgaaata cgttgacccc gaagtccgct acccaccgg 420  
ctggggagaac gccgagggga aagtcgaatt gggaaggcg actatccagg agacgtggac 480  
agcaatggag agtcttggtg atagggtctt gcgcggagta ttggaatcag taacttcagc 540  
gcgcagttgc tgctggatct actccgatat gcgcggatcc ggcctgcgac gctgcaaact 600  
gagcaccacc cataccttac gcaggagcgg ctgtgtgacat ttgcgcagcg cgaggaatt 660  
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gcggaaggag caccaccgct ttttgagcac ccagtcacatc aggatatcgc agagaagcac 780  
gggaagactc ccgcgcaggt gctgttgagg tgggcgacac agagggga 828

<210> 19233

<211> 829

<212> DNA

<213> *Aspergillus nidulans*

<400> 19233

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tcgcgcgacg tctctaagct cgcgatctc gttccactcg gtgtcatccc caaaacatt 180  
gatattcgag cgagcgatgc ggaaatcaag gctgttggtg acgatgttga agctagtatt 240  
ggaccattg acattcttgt caataacgcc gggatatatc tcgaaggagc ggtagaggag 300  
tcgaggtatg tcacgccata tcataccaat tgattccatt atccctggtt atgaagaatc 360  
ccctgttcta acgcggaaat gagcagtaac gatgaaatc tcgcccaatt tgacgtgaat 420  
gtcttctccc agatccggct tctccgcgcc gttctccctt ccatgcgtgc ccgcagagcc 480

ggggtcatcg ccaatctcgg ctctattgct ggggtgggatg gtactcccg cgcgggattc 540  
 tattgtgect cgaaagctgc aattgccatc tacactgaat cccttcggca cgaggttgc 600  
 ccgctcggaa tcgacgtgac atgcattgag ccaggctatt tccgcaccaa ctctctcacc 660  
 accagcggcg ggcacaaggt cactgcgcgg aaacggatca atgacttaca tgctggcact 720  
 cagcaggctc gtgatgcgtt ggctgcttat aatctccacc agcctgggtga cccggtaag 780  
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 <211> 829  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 gacatcatgg acggtcactt tgtgcccaac atcacattcg gcgcgccagt ggtgaccaag 120  
 atccgctcgc atgtgcaccg cccttcgcag ccgcagggca aaggagcgtt tgattgccat 180  
 atgatgattg cagaggtaca tccttaacct cacggtatac tcagctagag acgaaagcta 240  
 atataggagc aacgtagccg caaaaatggg tcaaggactt caaagacgcc ggggtgcgac 300  
 tatattgctt ccactacgag gcggcggttt cttcagtcgc cgccaaggaa ccagctgata 360  
 aggagacaac gcgcaagacg agtcctaagg agttgatccg ctttattcat gaggagggga 420  
 tgcaggcagg gatagcaatc aagccggata cgccagttga tgtgctgtgg gatattcttag 480  
 ctgcggatga tgagaaggag aggccagacg tgagttctct ctgctccact tcactttcgt 540  
 tgttggtaaa ccagacgagc gtgagctgac agctttctgt tactagatgg ttcttgcatt 600  
 gaccgtgcac ccgggatttg gcggacaaaa gttcatggcc tcagagcttc ctaaagtcaa 660  
 ggcgttgctg gagaaatacc cagacttgaa catcgaagtt gatgggtgggt tgggccttgg 720  
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<210> 19235  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19235

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cggttggaac tatctgtctc tgcttctcga tgacggcagt ctgcgtcttg ctattgacct 180  
tctcaatccg cgacctcgtc ggtggctcgg acagcgaaac gggcgacttc catctcccggt 240  
ccgtcattgc cgtagtgtgc gccttctgca ccaagttctc cctctttttg tactgtctcg 300  
cgctgcgcaa ccaggtttcc agatcccgca ttctgtggga agaccaccgc aacgacctct 360  
taattaacgg ctccggtatt ctacacctg tcggcggtag caagctccgc tgggtgatag 420  
acccaatggg cgctatcacc ctctccgcat tgatcagcgg tctctggctt cacaccgcgt 480  
atcatgagtt ccagcttttg attggtatca cggcgatac gaaaatgcag cagttaatca 540  
cttatatctg tatgtctcgt taactttttg tcaactgatg ataaatgggt gtgatgctaa 600  
catatacagc aatgactcac tcaccactca ttactgctat cgacactgtc cgcgcgtaca 660  
cttcgggacc ccgtctagtt gtccaggctc atattgtcat ggaccctgca gactccttgc 720  
gcccaccca cgatgttgcc gaggagctgc agacaaaact cgagtccttg cctgatgttg 780  
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<210> 19236

<211> 830

<212> DNA

<213> *Aspergillus nidulans*

<400> 19236

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atgttccacc aggcattggc ctataccagt cgacccaaat gactcctcca ccagctggc 180  
cgactgggac tttgttaaga catggtatgg caagatattt ctctcgctta tggctggatt 240  
cctgtttcta agctctacag ggaagaactg caaaatcttg cggaaccaa agtgcgaaat 300  
attggtgtgt caaacttcgg catcgcacac ctccaggagac tgctcagcca ttctcttgc 360  
aagattgtcc ctgctgttaa ccaagttgag gtacacaatc caccagatac atgttgttgc 420  
cgtatcgact ttctgacaac atagttgaca acatagcttc atccctattg gccatcaaga 480

aagcttttgc agtactgccg caatcatgag atccattgta cagcctattc ctgccttggg 540  
tctacagatt ctccgctact agaagacaaa gttttgcttg aaatatgcaa gagaaggaac 600  
aagtcaccgc agcaggttct gtacgtttca agtccttatt tagtaccatg ttatgctatg 660  
gtatgtttgc cccagcactg acaattcaag gatcatgtgg gggctccagc gcggcaccag 720  
tgtatgaccc aaaaccgtca acgctgctcg cattgaggaa aactttgatt tgaatggctg 780  
ggcactgagt gacgatgaat tggacaaatt gaaccgatgc accaccgggt 830

<210> 19237  
<211> 830  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19237  
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atcaggtgaa gactaagaac actatgaaca tcgagtctat tgccgatatg aagcgtttctg 120  
ttgaagacta tcccgaattc cgaaaacttt caggcaatgt gagcaaacac gtcacactgg 180  
tcggggaact cagtcggcga gtgggtgagg aaaaccttct cgatgtgagt gagtgggaac 240  
aaagtctggc ttgcaatgac aaccacaata gcgacctaaa ggtatggtag tcttacattt 300  
gatctgtcct caaatcctaa cgcttttatag actctgcaaa ggatcattca attacctaca 360  
gtgccccctg agaataaatt gcgactagt gcttttatatg ctatcagata tgagaaacaa 420  
ccgtccaatg ccttccgggt ccttcttgat cttcttgatga cgcccggggg tgttccttct 480  
caccgagtca acattatacc aaaattactg gctaccacc actctctcca agctccgcca 540  
attgccggcg gattctctga cctctttgag tccacatcgt tgttttctgg tgctcgcgac 600  
agattcaaa gcttaaaagg cgtcgagaat gtctataccc agcattcgcc gcgcttgga 660  
gcgacctcc aaaatctgat caaaggcaaa ctcaagagc ttcaataccc ctctctcgaa 720  
ggtggcggtc atgttcggga caagccacag gatattatca ttttcatggt tggcggaaca 780  
acatacgagg aggcaaatgat gataactcag gtcaacgcca gctcacctgg 830

<210> 19238  
<211> 832  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19238

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 aatgcttgta tgcaggaatc aacctgagtt tcgcgaaaca gctcttgagg aatggctgca 180  
 atgtccta atcgtgacttg gccctgcgtc ctgaggctca gagcttgga gatcagtata 240  
 cggccaagat tccccgggct gtattccagc gaaccgacgt gagggagtg aagcagctcg 300  
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 ccgggattta tgaaccgggt cgttctctct acgtatcctt accttgctcg tctaggctga 420  
 ccgaccggtt aaagcactgg agtaacttct ggccgctcc aggaacgggt gtgagccgct 480  
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 cgtcacagct cgcaatctcg cacttctc tgcctcgaac agacagcaca cggcgcaaag 600  
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 tcgccacaaa gcatgcgac aatgggttcg ttcgctcgct cgccaaactc gacgagcgct 720  
 gcgggatccg cgttacggcc gttgcaccgg gcatcatcaa gacgcgcgtt tggaccgacc 780  
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<210> 19239

<211> 832

<212> DNA

<213> *Aspergillus nidulans*

<400> 19239

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 agcgatcaat ccttcttaca atggacaacc tccctgcgca tctttctggc ctagagctag 180  
 caccacctcc tcctaataata cgcactgctt ggctgccaaa gaattcaaca agccggtacc 240  
 agcctctcga tcagggtatt atccagaacc tgaagatata ttatcggaag cagtgggtta 300  
 gatatatgct ttcccactat gagagggacc tggatccact agaattctgt acgattctag 360  
 actgcatacg ctggcttgta cggctcctggc atcatgatgt cctaagctca actatccttg 420  
 cctgcttcta taagagcaca ctggttcag atcctataca gcttccagtt gaagcacctg 480

atctaaaacc actatatgag aaggtacagc aatctgggaa tctatcagat tgtatggata 540  
tctccttctt tcttaacctt gcagaggagt ctcaagagcc tactagctct agtaatggga 600  
tgtcctctga ggtattactt gagcagctaa ttactgaggc ttctgggagt acagatatat 660  
attcggacga tctagatgat gatacagctg agccagcacc tcttccaaag cctcaggatg 720  
ctcttgatgc tgtaagacta ctgatctctt atatggaggg tcaggatgca tctaaagcac 780  
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<210> 19240  
<211> 833  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19240

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gggggccatg acgctgatta ttggagtgat tgggttctgg tggttaccgg acacagccca 180  
gagcgcgtgg tttctcacgc agcgagaacg agacgcggct tctgccaggc tcctgagggg 240  
tacgtctgca gagatcgaga caaaactgga gctgaaggct gcatttcaa catggagcga 300  
ctggaagttt cccatctggg ctggtatcac ctttctctac ccggttgctg atgcgacggc 360  
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acattattat caggttattt ttactgacga cgcagatcgt ggctcgccct ggctactccg 480  
tcgtcaagac gaacctctgg actgtagcgc ctaatctcgt tggcgcggtg gtactgctcg 540  
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cggtttctact ggtgggaatg ttgatcctgg ctagtattga tgtctcgcat aacaagggcg 660  
tctcgtaatt cgcctgcttc ttactcgcat ctggtgcata cattccgacg tgtctcgtgc 720  
acgcctggca caataacaat aacacgaacg agaactcccg cgctgctaac actggcttct 780  
ttgtcgggct gggcaatatc gctggtgttc tgagtccgc taccttcagg aca 833

<210> 19241  
<211> 834  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19241

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gtgccacccc agaatacctt gcaggtcact acatcctcca agccgcctcc tcattcctcc 180  
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gtggtaaaac cacttacatc tccgctctga tgcgcaatac tggctgcgtc atcgctaacg 300  
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acaccatcgt cagcaacctt gacgcccga cagcttttcc caaggccatg ggcgggtttg 420  
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ccacttgca g tgtgacagtc gaggagaacg aggtgttgt ccagtacgtt ctcaagaagc 660  
ggcctaact caagctcgtc gagactggac ttggcgattt cggttcacca ggcttcactc 720  
actatatggg caagcacttc gacgcgaaga tgacgatgac gagacgtac ttcccgcacc 780  
gcgagaacgt cgatgggttt ttcgtctgta agctgaagaa gattggctct acgc 834

<210> 19242

<211> 834

<212> DNA

<213> *Aspergillus nidulans*

<400> 19242

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tcagggtg c gacctgaag gcctttcgtc agacattcga cgagctgcgc atgactgaag 180  
taactccacc ggccatggtt caaacacaag ttgaggagg aagcacccta ttcaagttcg 240  
actactacg cgaggacgcc tacttgaccc agtcttctca gctctatctt gagacttgta 300  
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cccgcgcga tctctccgag tacactcaca tcgagtcga gctagacttc atcgaaattca 420  
cggacctcct cgaccacctt gaggcgtc tctgccgtgt cctggagatc gtccatagccg 480

accctgtcgc caaaccctac attgcgcaac tcaaccccg cttccagatg cccagccgcc 540  
cattctctcg catgaagtac tccgacgcca tcgagtggct gcgcgagcac gaaatcccca 600  
acgaagaagg caagcctcac gagttcggcg acgatatcgc cgaagccgcg gagcgcaaga 660  
tgaccgatat catcaaccgc cccattttcc tcacgcactt cccggccgaa atcaaggcct 720  
tctatatgaa gaaggacctt gaagaccgcc gtgtcactga gagtgtcgac gtcttgatgc 780  
ccggtgttgg tgaaattgtt ggtggaagta tgaggatgga cgactgggac gaggc 834

<210> 19243  
<211> 835  
<212> DNA  
<213> *Aspergillus nidulans*

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cccaagaccg ccattgaggg cagctacatt ggtatgcacg acttgaactt tttttctcc 180  
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aatgcgcgga tggcgaacgc aaaatctaca cttacattca atatgttggg aagcggatga 300  
attggatgac ggtgtctgga cttacaatat ccgggctagc gatacgatc ctgattctca 360  
atcctcaatt ctcatatctc agactttcgg ggagaagatc catctactct atacgtctca 420  
cgcttttttt tcggccgcag aaggattaat gctgacttgc aaactctaga caagaagtgc 480  
cccttcaccg gtatgggtctc tatccgtggc cgtatcctga ccggccgtgt cgtctccacc 540  
aagatgcacc gtaccatcat catccgccgt gaatacctcc actacgttcc caagtacaac 600  
cgttacgaga agcgtcacia gaacctgtct gccacgtct cccccgttt ccgtgttgag 660  
gaaggtgact gggtcaccgt cggccagtgc cgcacctca gcaagactgt acgtgatacc 720  
tgcaggaccc taacattcat acttctcaat ccaatatatt ccatcttata tgcgaacgaa 780  
cgaattctga ctttctgac atcaggtccg cttcaacgtc ctccgtgtcc tgccc 835

<210> 19244  
<211> 836  
<212> DNA  
<213> *Aspergillus nidulans*



<400> 19244

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tactagggat ttaagactat gggctatgga ttatgatact aagatacggc gacagcttcg 120

ccggaagcga gacgacagcc ctgactctgt ccggcaccct ctacaacatc ttccgcaatc 180

gagccgtcta cgaaaaactc actttctgaga tcgacgctgc gattacgagc caccagctga 240

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 <213> *Aspergillus nidulans*

<400> 19245

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 <212> DNA  
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<400> 19247

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tttttgacga tcggagttgg ccgaagatct tggatggtga gaggctggtg ggggaggcgc 420

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agtttccctgc tgcggctcgc gagattctgg agccggggtc gacaccatcc gtctgtgctg 660

aagggcacag caacggagtg gcattggatc cagcaattgt gaaggaggcc aatcccggaa 720

acgatgtaat cgaccagtcg tacctgcatg gtccatacgg gacacagaaa caaacgatta 780

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<211> 838

<212> DNA

<213> *Aspergillus nidulans*

<400> 19248

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<213> *Aspergillus nidulans*

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<212> DNA  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19251

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 aggagtggaa gccgcgcttc ttcaccgggt ccgtcacacc tttgggcaaa ccggccttga 780  
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 <213> *Aspergillus nidulans*

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<211> 840

<212> DNA

<213> *Aspergillus nidulans*

<400> 19254

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 <213> *Aspergillus nidulans*



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<210> 19257

<211> 841

<212> DNA

<213> *Aspergillus nidulans*

<400> 19257

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19259

<211> 841  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19259

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<400> 19260

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 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19274

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 tcggcactca ggtattcgga gattctggac ttccacaaca tcgatcaggg cggcgacatc 780  
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<210> 19275  
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 <213> *Aspergillus nidulans*

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<212> DNA  
<213> Aspergillus nidulans

<400> 19276

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gcatgtccct gtgcatgtgg agtacatcct caccgagcta ttgaagaatg cattcagggc  360
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cagcttcacc acgttttctg acctggatat gggcgaagca ggcgggatag acgcgctaaa  720
cacgatttct tccaatagtg gccagctgag cagcattgct ggccttggat atgggtctccc  780
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<212> DNA  
<213> Aspergillus nidulans

<400> 19277

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cgtcgatgag ataaccttca aactagccga cgaagccacc gacgcaccca cagcaaccgc  300
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 cgtggcatgg ctcttcatgt tatgtatcaa ctaatgtttt tgttgtacag gcaacacag 780  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19278

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 tcgccgcga tcagcgtgc gccttgggt agcgccagta tccttctat caccttaac 240  
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 tggccggtg caaacactct catgatcgag cccacggagt cggagaacaa ggccgagctc 540  
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 gcgacagagt gggatcgccc gtacaccgc gagcaggcgg cctacctctt tccttacctt 720  
 ctcgagaaga agttctggcc ctccgtgacg cgagtcgatg atggtaagct ttaacccga 780  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19279

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19280

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aagtcggcga ccgtgacatt cgaaggat gcgtaagtct aaaccaccca ccgcaccctc 240  
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gaccagacc agctcgcccc ctctgtatgc accgttaagg ccgcgcaaac cttgatgag 360  
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gagcaggaag acaagcctcg ctcccgatt attgcagaat accttgccca tggatacacg 480  
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cgcttcacca gcgtctgag caactcgac aagaaaactg gtgccagcga gcgcgccaag 600  
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cagaccgata agcaagttcg cgatattcac gctgaggctc gaagactggc ggatctgaag 780  
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<210> 19281  
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<212> DNA  
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 <213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 19286

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 <213> Aspergillus nidulans

<400> 19287

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 <213> *Aspergillus nidulans*

<400> 19288  
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 aatcgcttac atgcgcattc cagacgagga gcaacgcgc ctcgaaacaca tgcccacgat 240  
 cctcaatttc gcaacgggta tcttcattcat tccgcccgcg aacaacatcc tcaagatcgc 300  
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 gacggccttc cgcacagccc tgaagcagct cctccccctc ttgcgagacc gtcctttcct 480  
 caatacccg atctgctggt acacagatag gtatgtcgat cgtaccaacc ctttattgct 540  
 catgaccatt cgatactaac tatgccccaa cagtcccaga ggcgacttca taatcaccca 600  
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 cttcccactt atcggcgaaa aggtggtcga tgcgctggag ggtaagctcg caccggaact 720  
 gcgcgcgctc tgggactggc cggaggctgt ggacgaggcc cactttgacg gaacagagga 780

tggaagtcgt tcaggggata agcggctgct gcttttggat gagttggcga agggggcaga 840  
aagcgaagcg ggagagtgcg 860

<210> 19289  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19289

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tactcttcta agaaggtcc tcgctctaac caggtctttt cctacttcgt cgccggtact 180  
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gttgcgtttg caggccttgc ggctaaaccg gagctttcaa cagggttatca tcaagtggcg 540  
tggcaagccc gtgttcaccc gtcaccgtac ccaggatgag attaaggagg ctcaagagta 600  
cgactggaag accctccgtg acccccagcc cgatgaggag cgtgtgcaga aggccgagtg 660  
gctcgttatg cttggtaaga taatatatat atatatgggt tctgcagca actaacagct 720  
gacctatcta ggtgtctgca cccaccttgg ttgtgtgccc atcggtgagt ccggtgactt 780  
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gggacccgcc cctctgaacc t 861

<210> 19290  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19290

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acaccccaat aacagcaaga tcacaatttt cgggccggac cgcaatgctc tgcgcatgca 180  
 gcgctctgct tcgtttatat caatcccacc tgtcccgaa gatctctttc tggaagccgt 240  
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 gtataccttt gtagtctttg tcatgccgac tgggtgtatac caccggcgtgc atgcagttga 420  
 cgcattaata ctggaggatt tcgaccgtgc agcaccgcag ggaacaggga gtgcaaaagt 480  
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 gattacactg catctagata gccggacgcg ttcggaaata gatgagtttt cgacgagcgg 600  
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 ccctaagtgt attgacagtg tgactgcggc atcggctctgc gagatcgggg aactttgggt 720  
 cggatatgat gttgagaagc ggaggattcc ctatgaagag ttgaatgagt ttgacgaggt 780  
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<210> 19291  
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 <213> *Aspergillus nidulans*

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aagtcaccgc agcaggttct gtacgtttca agtccttatt tagtaccatg ttatgctatg 660  
 gtatgttgtc cccagcactg acaattcaag gatcatgtgg gggctccagc gcggcaccag 720  
 tgtagtaccc aaaaccgtca acgctgctcg cattgaggaa aactttgatt tgaatggctg 780  
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 taatgatgac tggctgccgg ca 862

<210> 19292  
 <211> 863  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19292

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 tcagctccct tgacgacttc ttgtctttct actttatagg gatgacggtc ctcaagacac 240  
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 accataccga ggtgtttttt gaccgcgagg tgcataatgga gcggggggtg gagtacagag 360  
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 cgaggttgat tatgtgtttt ctgaaacatt tgccgctgga gtcggcacia cggctctacg 480  
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 aggacccaga gctgatggag agagttgcga gggaggaggt gctgttgact gtttgtccgg 780  
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<210> 19293  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19293

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atggacacta ttcacgga cgcgtatctt cacttacgag ggcgttgcc tcattattcc 300  
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tattatcacg atcattttcc tggcagcagg cgtgtcagc tatgccgctt acggacatgc 420  
aaccaaaacc gtcattctgc tcaaccttcc tcaggacgac aagctcgtga atgctgtcca 480  
gttctctac tctctagcta tacttctaag cactccgctt cagctcttcc ctgccattcg 540  
aatcatggag aacgagctct tcaccgtag cggaaaatat aaccccgga tcaagtggaa 600  
gaagaacggc tttcggttct tcctcggtat gatctgcgcg tttgttgcat gggcggtgc 660  
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tgtttatccg gtatgtcaact tctagccgtt gttattacc ctagctgact ttctagcccc 780  
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ctgtcctcgg agttgtcagc tgca 864

<210> 19294

<211> 864

<212> DNA

<213> *Aspergillus nidulans*

<400> 19294

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cctcaagcac tacttcaacg tctcaaaact ctacgtgac aataagctgg ggcttgtgct 180  
tttcccatgg cgacacaaac catggtctcg acagcaagca cgtcttacca ctgcctcgac 240  
cgggcctgat ggccagattt cgcaccagca atattcgtcc atgttctac ctccgcgtga 300  
tgatatcaac tcgctgaca tgtacatccc tgtgatggcc cttgtcacat acatcctttt 360  
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accacagcaa tcgcggtcat cgtattcgaa atcatctgcc tgaagctcgc catgtacatc 480  
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 gtcggaataa tcgtcaccct cgttgctccc gagatcctga ctccctgggag gggaacaggt 600  
 agctgggtcg gatgggtagc attcatctac acgttcctgg cgaacgcatt ctttcttgta 660  
 agttcgatca gcaactgtgag tctgaaactt gctaacctga cccacagctt cgttccctga 720  
 aatacgtcct tctgcccagc tccacaagcg actcatctat gcgcaccggc tcaatgcaca 780  
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 ttcagttcat cttcatgtgg gtgc 864

<210> 19295  
 <211> 865  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19295

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 gatcacaacc ccgccagcat aaggatgtac ttttacgtcc cagagagact cgcgcaccc 180  
 cctggcgctc ttgtttctct ccacggcgcg tctggcacct ccctgcaaca atacttgctc 240  
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 cagggagcat gggatgcaac atctagcaaa tctttcctgc atggtggtgg gggcgccagc 360  
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 cggctcttac aattcaatgg acagttttag taaagaagac gagatgatct aaatgccccg 540  
 cagaatacaa cggcaggcgg ctacccggac attttcaaag gagctataat ttactctgca 600  
 ggctcttctg gcaacattcg gaacatgtac caaggatata caggaacgta tctaaaagta 660  
 cagctataac tgggactcga agatactatt ataggctcga cagccttcaa caccacatc 720  
 gcggcttggg ctgtcgtgtt gagctatggg aacgcgccta aacaggttat gggtgaagag 780  
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 gggattggtc gctcagtcgc gaccc 865

<210> 19296  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19296

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 cgacactcta accagcatgc acaacctggc atcaacatac cggaaccaag ggcgatggaa 180  
 ggaagcagaa gagttattga cgcacatact ggaggcctgg aaacgggtga tgggggccga 240  
 gcatccttcc actctaacca gcatgcacaa tctagcctcg atatttttgt gccaaagggcg 300  
 atggaaggaa gcagaagagc tgctgacgga ggtgattgag acccgtaaac gggttctagg 360  
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 agggcactgg aaggaagcgg agggctctgt gcgcaggtaa tggagaccag gaaacaggta 480  
 ttaggaccag cacatccttc tacattgacc tgtatgcaca acctggcacc agcataccag 540  
 aaccagggac gattggagga agcagaagag ttgcaggtag gagtgatgga ggcctggaaa 600  
 cagggtgtag ggtccaagca tccttccacc ttaaccagta tggacaacct ggcaaccaca 660  
 taccggaagc aaggacgatg gaatgaagca gaagagttgc aggtacagggt gatggagacg 720  
 tggacacagg tcctatggcc agagcatccc gatacactaa tcagcatggc caaccttgca 780  
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 gagactcgga aacagggtgct agggcc 866

<210> 19297  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19297

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 taccocggca aagtgggggt tcccagctcc attttcgccc caatgggcag tcaccgagag 180  
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 aatgtcgcca gtagtctcgc cactcgaagg cgcagcaata gaggcagcgc ttcacggcga 540  
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 ctacgcgaac tgagtgaagc ggatagcaat atgctagagg agcccagga tgacgacggt 720  
 ccctcagaaa aagaagacca gccgatgac aagcaaacg gcgacgacga tgcacagcct 780  
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<210> 19298  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19298

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 tcaatgagtt cttctaccgt gcactgaaac caggagccag accctgttct gccccgcatg 180  
 aacccgggat tgttgtttcg cctgcggact gccgtacggt ggtgtttgac cgcgtcactg 240  
 aagcaaccag tgtctgggtc aaagggcggg aattctccat caagagactt cttggaaatg 300  
 cctatcctga agatgtctca cgatatcaga atggagcatt aggagttttc cggtctgctc 360  
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 ttgaagaagg aaaggtcaac tttgacagtg atctcgtgga caactcgcga ggagctctgg 720

aaactttggt aagacctaat cctttgctgc tcgacacgtg gttgctaaca tcaaccacctt 780  
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<210> 19299  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 caattacctt ggcgctgttc attgtgcccc tgatcggagc cacagtgtgg ttcagctact 720  
 tctattctca gagctatgag ccggtgacca aatttattgc tctaaaaagc atttatcgcg 780  
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<210> 19300  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 catgaagccg acgtgggtcca agaaatcgcg actgccgata ttgtgacgtg cgctgttgga 240  
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 actattgccg atgctctcca cgaccgaag atccgtgaaa atgtccacaa ggtcctagac 720  
 gagactgctt cctgatcat taacaagcac ggcatctctg aacaagaaca gaaggagtat 780  
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 ggtcggggcc cactgcgcaa gctctccc 868

<210> 19301  
 <211> 868  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19301

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 tgtcttgaca gggcgattga gcgtgcgaat tcgagaacca tctggggcga gggcggaag 420  
 ttgtctgagc accagggcat tcagttccca gttgtggagc tcatgaccca agtcgagatg 480  
 ttaaggctgc tgattctcgc cagcagcgtg cggatggacg atattgtgtc tgagtgtgag 540



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gtacgtactc tccttctgag tctctattgg ctgtgaataa acgcgctgac caagttgttg 720  
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cggcatttca gaagatatcg tattacggag gggtcagagg agatccagat acgtaagggtg 840  
gcagcttact tgtttggtgt gaagggga 868

<210> 19302  
<211> 868  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19302

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<212> DNA  
<213> Aspergillus nidulans

<400> 19303

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<213> Aspergillus nidulans

<400> 19304

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<210> 19305  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19305

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19306

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<210> 19307  
<211> 871  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19307

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<210> 19308  
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 <212> DNA  
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<210> 19309  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19309

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<400> 19310

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19313

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<400> 19314

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<210> 19315  
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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

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<210> 19321

<211> 876

<212> DNA

<213> *Aspergillus nidulans*

<400> 19321

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19323

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 <213> Aspergillus nidulans

<400> 19324

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<400> 19327

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<400> 19329

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<212> DNA  
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gcgtggattt taagaagcac gaattggaaa ttggcatcgc cggcggctct cgaacagacg 840
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<210> 19331  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19331

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 <212> DNA  
 <213> *Aspergillus nidulans*

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884

<210> 19333  
<211> 884  
<212> DNA  
<213> Aspergillus nidulans

<400> 19333

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cgccgaaacg tctttgataa agacgtggat ctgctgaat tggcgcgctt cgctgataac 180  
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<210> 19334  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19334

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<210> 19335  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 cgctcggcgg cttgtgttgg cttaataacg caacggatct tgtaggtgta cttcgatatt 180  
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 cgagggttac gatattgtcg acaagatcca gaacgttcct aagggccgca acgacaggcc 840  
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<210> 19336  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19336

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 acaaccgggt cacaaccttt gacttgggtg gtcaccagca gggtaggtct agccgaatcc 420  
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 ctgtggaaaag attatttccc agaagtcagc ggaattgtct tcctcgctga cgccaaggac 540  
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<210> 19337  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19337

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 cgccggcaat ttgctactga tagactaact caaggtaga gctgctctgg gctgtctttc 180  
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<210> 19338  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19338

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 cgctgggtgc attctttctc acttgctgt tatgtacta tatctttgaa aatcgccgc 780  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gagtgttctg gatgggctaa tccaatcgct gcaaccgaag aggatgggtt ctccgtatga 840  
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 <211> 886  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19340

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aactcgggtg ctgggtcttt gagccgtcca cctgcctatg ttatcaagta ctttgggttc  180
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 <213> *Aspergillus nidulans*

<400> 19341

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cagttcgtgc cgcacagcgc cgtcgaactc tgtctatgac ctgggtgttc tcttttacgc  240
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 acgttaccat cagaatctca aaccgtcact aaaccgcgac cccatctctg ccgaagaggg 180  
 cctggcaatt gagcggatgg tcaacgaaat gggccgctgc tgggctgaga tcgcacgccg 240  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19344  
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<212> DNA  
<213> *Aspergillus nidulans*

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<400> 19345

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 <212> DNA  
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<400> 19347

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<210> 19348

<211> 891

<212> DNA

<213> *Aspergillus nidulans*

<400> 19348

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<400> 19353

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 <213> *Aspergillus nidulans*  
 <400> 19359

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 gggctgtata tctggaaggg gattatcccg accttgttgg gaaatatagt tgggggtggg 840

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19360

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atgcggggag atgtgctccc aaaccgtaag acatttttcc gtgaattcta gctgaacacg 240  
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aagagtggaa tcgggttcac gatcggtcta cagcgggaaca gctcgcggcg ggatgtcgtc 840  
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<213> *Aspergillus nidulans*

<400> 19361

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<210> 19362  
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 <213> *Aspergillus nidulans*  
 <400> 19362

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 gatacagcac agaccacaa cctccccac gagccggtgg cgcagaaggc ggcaatcctg 240  
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ggcactatgt acatcattag taatccgcat aaaatcagct cggataacct ctatgatgtc 720  
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 cactcaaagt ttcaaagcag ctcataccg aggaatgagc ctacaccatc cactttttaa 840  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19364  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19364

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 catccagggtg cgttccctaa tgcgcgacat tttggtcgca ttctttggtc ttgcatgtga 180  
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 caagagtggc tggtaaagac gcctcgaaac agttctggaa ataccacaat gaggggatcc 360  
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<210> 19365  
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 <213> *Aspergillus nidulans*

<400> 19365

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<210> 19366  
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 aacctcatat ttcacaattc ggtcgtcgag aagatgcaga gcccgcctcat gatttgataa 840

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<210> 19367  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19367

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atcatagtca tccgtgccac ccacactcag gaggttcttg gagagcaggg tcgccgcac 180

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<213> Aspergillus nidulans

<400> 19368

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<210> 19369  
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 <400> 19369

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<211> 908  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 19370

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<210> 19371  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19371

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<213> *Aspergillus nidulans*

<400> 19372

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 19375

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gttgttgtgt atgagacggg cgtagtggag ggatttgagg gggatttcga acgggtattg 660  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19376

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gctggacaag tccaagtcgc tcaagtcgct cctcatgcag ctttttgccc cccacggaaa 180  
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 cggccacttc tcccttcgtt gctacacga ggccgttgat gcctgtctaca aggcctacgg 540  
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 <213> *Aspergillus nidulans*

<400> 19377

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 tatcccttct tgttccagtt atacctgaac aagcagagac aaaagtcaaa ggagctcctc 240  
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<400> 19379

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 <213> Aspergillus nidulans

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<400> 19383

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 tcattctcac gcgcatccgc gtcattgaga tcgaccccg tcaagtcgag actgtaagtg 660

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acgcagttaa tgctaagtag ctgttagtaa ctgcgagcca cttacaccgg acgatatcgc 840  
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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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caccgcttcc acaaaaccgc aaacgtgata tcgctcatgc tcgcatgcga gagacctaca 300  
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<210> 19387

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 <213> Aspergillus nidulans  
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<210> 19389  
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 ttggtctcga acgctgttct atcatatacc cttggtctgc gacacgcctt tgacgcagat 300  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gtgaagacta ccgatgatta tctctacgc ctttttgcca tcgctttcac gaagagacgc 540  
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<210> 19391  
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<213> Aspergillus nidulans

<400> 19391

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gaatataccc atcacgatgc actgcgcaga ggtcaaagcc gatagggcat tttttggctc 300  
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<210> 19392

<211> 922

<212> DNA

<213> Aspergillus nidulans

<400> 19392

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ttgtctggtt gcgcgagtgt caccgggcaa ccctactacg aatgcgtcgg gattgtctcg 180  
tcaaagaaac tggcaacgag aattttcacg tcgaagagag ggctgaggca ctcaactata 240  
agctccttca cgccttcgag cgtccggttc tgctatccat aaccagccc atcgtcacct 300

gcattgccgt ctatatggcc tacattttcg gagtaacgta cctcatgctc gcaacattcc 360  
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 ccatcgcaact cggtcccttc accggcctct tcctcaacct caagtttata gaccgcatct 480  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 ccgctcacag tatcagtcca cctttgccgc tgtgacaagt ctcccctcgg gtgcggtcat 180  
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 ttactcgcaa tgtaagcttg aa 922

<210> 19394  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19394

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19395

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<210> 19396

<211> 926

<212> DNA

<213> *Aspergillus nidulans*

<400> 19396

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<210> 19398  
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<210> 19399  
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 tcaatccgcg caagaaccgc gatatagctg ccagatcat gtctgagact ttcaacgttc 360  
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<210> 19415  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19415

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 tcgacctaca tccgcatgat tggcggtata gcgctcatgg cgcagatagg ctgcttcgtg 180  
 ccctgcaccg aagcagagtt gacgatcttt gactgcatcc ttgcccggtg tggcgcgagc 240

gattcgcagc ttaaaggcgt ttctacgttc atggcggaga tgctcgaaac gtcaaacatc 300  
 ctcaagtcag cgacctctga gtcccttgatc atcattgatg aattggggcg cggcactagc 360  
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<210> 19416  
 <211> 942  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19416

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 atgtccgggt tcggaccatc ccagccctgg acggtctcgt tctgcgccag aaattgatgt 180  
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 ctcaatgcta ttactctcc ttgcaggcga ctaacatggt tcaatcactc tagggctgat 900  
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<210> 19417  
 <211> 943  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19417

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 aagccagatt gctctcatca acgcccctcaa cgcgacttcc ggaatcctct ttaccctcaa 300  
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 tatgggcatt tgcgatgatca tcgtgtctgc cgtcgaaacc gagacaccat cgcccaacga 420  
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 ctgtaagtac gctaagctct tcccgtcacc caccaactaa taacatccgt ctagacaaac 540  
 cctcttgggg tgcaacagta tggatctgga catccgagat cttctccatg aacgtccgag 600  
 cccaggtgt cggtatggcc tctcaaacc agaatgtcgc aaacgccatc ttccagcagt 660  
 tcttccctat cttctggac aactgcggat tctacgcatt ttacatgttt gcgggcatca 720  
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 aagagattga tgctctgttt ggtggagcca accacgtcac ccgtggtgaa gagctcattg 840  
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<210> 19418  
 <211> 944  
 <212> DNA

<213> Aspergillus nidulans

<400> 19418

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cggcggttgc gtcgcccggc agatgacgaa tgagatgccc gatagcgcaa aaattcagac 240  
atattgcaag gcgtgggacc cgtggtacta tctacatgtt aaggccaaga cgcgcggcaa 300  
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gttttgggtt ggcggggcgg cgttccacta ctccatttc cgttcagcc ggggtgactcg 420  
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ggaatccagc cgcttcgtca ttcaggatct agcgctaccg tatgcaaacy ccgagaaatt 540  
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tgcaaacga gagctagaac atcgactccg cgaactgggt gggatgaagt ggttctacgc 780  
ccatagctat tacggagaag acgagttctg gagtatgtat gaccggaaat ggtacgacga 840  
gtgcggggag aagtataacg ccaccactct tccgagtgtg tatgataaga tcaagatcga 900  
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<210> 19419

<211> 944

<212> DNA

<213> Aspergillus nidulans

<400> 19419

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tgcgtaacc gagcttgtga cgattatcaa cgacggcgcg gccagcgctc ccggttttga 180  
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 gattgtcgct gagattgacc ggggcattgc ggcttactct gactaagtcg atgctttaac 480  
 gtgatgatga tttggatgac ggggaaatgg tactgatgag gggacggaag actgttcgcc 540  
 caggcgacat cgagctagtt ctgtttgatg agtgttgta agagatggat ctgccgactc 600  
 ttaaggcttt ggtgtttctc tgtcaagtag ccacctttag agtagtgaat gcatgatcaa 660  
 gtatatcccc agtacagatt tgtaaagcgt gacccatgcc ttagtaattg cggttaaata 720  
 ttccacgta gacagagtc aggacaaaga gagatttctt ttgataggcc gcctgcgtgg 780  
 tgattatata ttccgctaac aagatatggc agtaagtgc agtcagtc aatgaccctg 840  
 taaactccca gtcaggggac caacctctaa atccagcatg tcccgccaag tactctgttg 900  
 gcgctgtcca taaatttgag acaaagacg gtggcttgat gtcg 944

<210> 19420  
 <211> 944  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19420

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 gccaggggta gccgggatct tttctcgctt cctgcaatgg ttacgcgata ctgcgccac 420  
 tacagcattg ggacctgttg ctggcctcgg ctttcatcac aactacggta tgaacgtcct 480  
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 tcatacctta ttacgacccc gttacttcgg cgtcgtcttc tccatcgcca gagctgccct 600  
 atgccgttgt atggtatgtc tacaagccgt caactaattt tcgcaagtcc gctccaccaa 660  
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ctcaaattgg gaacctgctt gagagcacac ctttagaccc gcctaaccct gataagcagc 780  
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<210> 19421  
 <211> 944  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cacctatgtg acgaataaga gataccgtcc gatttacttc catgagttcg cgacgcgaca 180  
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 ggtcgatata ggggctcttg acacggacaa cccagaggaa caaaggcgca gaggattgaa 540  
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 tgaggttgag aaagacggcg cctggctgcc gacctcggag gcaggtatcc tgaaacctgc 720  
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 gttagtggaa agagcctata agagaggaat gccattggc atcataaata tcggaggcgt 900  
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<210> 19422  
 <211> 946  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19422

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cacgatcttc ctttctgtct ccaaagcaca gaccgcacct gcagcggaat taatcaaccg 180

ctttggccct gacacgcccg ccgacgaaat ccgccaggaa attttacgaa aaggcggaagt 240

gcaagtgggg gagcgcgagc gaaaagaaat cgcgagcgga attgagaagg aggtacttga 300

tattgtttca ggtcgactga ttgatccgac gacgaagagg gtttatacgc cggggatgat 360

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agcgcagaca ggagaaaatg gagcgggtga tgaagacgcc gcagcgcccta ggcaacagaa 480

gaaacctcta tggacgggtg tgaacccaaa caagtcggcc aagagtctcg cgcttgaggc 540

gatgaaggcg ttgattgcgt ggcagcctat tccggttatg agagcacgga tgcggcttcg 600

agtaacttgt cccgtgtcgc tgctaaagca gagtgttaag tccgcggcgc cggctgggtc 660

aaataacaag gagaaggaat ctcaaagcgg tgggtggtgtt caaagaacaa aaaaggtgga 720

aagggaaaga aatcggtctg ccgcggtgac gacactgact ccgaggggtga gagtgcgcct 780

gtccagccaa agggccccag caacgtcaag gataagatcc tgagttttat cgaatccatt 840

gagtcacagg agattgctag cgatgaatgg gaggtggttg gttttgcaga gcctggtgca 900

ttcaaaggac tgaacgagtt tgttggcaat gagactcggg ggccggg 946

<210> 19423

<211> 947

<212> DNA

<213> Aspergillus nidulans

<400> 19423

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gatacgaatt cttttgcgga acggattgac ccgatggacg tggaattaga ggatggacga 360



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<210> 19424  
 <211> 948  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19424

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 caaattgtga aggaatcgtc aaacctgcta tagttatgtt cggcgagagt cttcctgagg 540  
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<210> 19425  
 <211> 949  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19425

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 ccggcaatat gcataccagg gctcagaggc cgatccagtc tcggtacaca tcaacggtgc 180  
 aaatatcacg ttaccaacgt acggctttga ggcggtggac cctgcagata ccctcgctgc 240  
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 ctgggactac gactccaacc cccgcgtgca attcgcgaca gtgctcgggt ttgaacagtt 660  
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<210> 19426  
 <211> 950  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19426

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gaaccggcga caactctac aaacaaggcc agctccttcc cgagaacctg gaaaaggctg 840  
ccaaggaggc tggcgtgacg ggcacatg tccggtacca gccggactat gaccacagtt 900  
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<210> 19427  
<211> 950  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 19427

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19430

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

<400> 19433

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<212> DNA  
<213> Aspergillus nidulans

<400> 19434

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 <212> DNA  
 <213> *Aspergillus nidulans*  
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<213> *Aspergillus nidulans*

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<210> 19437  
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 <213> *Aspergillus nidulans*

<400> 19437

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<210> 19439  
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<400> 19439

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 ggagctggat gtgctgtttg agcagaaggt gccgagtcgg aagtttgca gcgcgacggt 900  
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 gacgaa 966

<210> 19441  
 <211> 966  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19441

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 ggctgctagt ggtgtcgatg tcggccacaa gctggcccat atccgcgaga cactgctgct 180  
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 gccgaatctc cggcgactga cgatctgcgt gatggcgat agcatgcagg cgtttacggg 300  
 aaacgtgttt ttcattctgt atgcggtgca ctttatggaa ctgcgcggggc tggatgcggc 360  
 cgatgctttc tccatgaatc tgggactgac aggcgttga ttcctgggca cctgcatctc 420  
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 gacgaa 966

<210> 19442  
 <211> 971  
 <212> DNA

<213> Aspergillus nidulans

<400> 19442

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ctatctcctc gaccggtccg aacggagctg tcatacacta caagcctgag aagggaagtt 180  
gctccgctcat cgaccctaac gccatctacc tctgcgactc cggaggccag tatcttgacg 240  
ggaccacaga cgtaaccaga acttttcatt tcggccagcc caccgagctt gagaagaaag 300  
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tcttgcatgg gacaggccat ggaattggtt cctacttggg aactcaagag cggcccgaa 480  
caagcgtact ccgctgactg tttttagaat gtacacgagg gaccctagc catcggcact 540  
cgtgtgcagt atactgaagt gcccttagcg cccggaacg ttatatctga cggtatgcat 600  
atagaattag taccatgagc tctgtttact gactaccca gaacctgtt tctatgaaga 660  
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agccttcaact tctgagcgac tccgagatca aatggctgaa tgactaccat gcggaggat 900  
gggaaaagac ccataagtac ttgagaacg atgaagtcac tcgtaaatgg cttgaacggg 960  
agactcgccc g 971

<210> 19443

<211> 971

<212> DNA

<213> Aspergillus nidulans

<400> 19443

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tcgacactaa gaacatctcc tggggcgagt accaagaaca catgcctac cccggctacc 180  
agggcttccg ttatccctact tcgggagaca acgactacgt tcgtaagcac aatcccgcta 240

tectctacga ctcaataaca gaggacccca cgcgcctgcg ccaaatacaag aacttcacct 300  
 cgttctacga ggaccttaag acccaccgtc tgcctcagta cagtttcacg acaccgaaca 360  
 tgacgaacga tggacacgac acggacatct ctttctccgg taggtggagc tgggagtcc 420  
 tgattgacct gctggacaac gagtacttca ccaacgacac gctgatccctc ttaactttcg 480  
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 tccctaagga cctcatcggg aaggaagacg acaccttcta cactcactac agtatcatct 600  
 cgtctttgtc tgccaacttc ggccttccca gtttaggccc ctgggactgc ggcgcaaacc 660  
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 tggtcaggaa gacctacgcc ggggtgaccg ctacgcatga ctacaccagt cccgtgcctt 900  
 ttgatgtgaa gaccggtaac agtgtgggca tcgagtacag tcgcacacct aagggtggga 960  
 ggcacgagag g 971

<210> 19444  
 <211> 973  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19444

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 gaaatccact cggcagggac aaacttcttt gacctgcttc aaatccgagg caataaccag 180  
 caccagcctc cgctcccatg gatcagcggc tctgagttcg caggcacgat tgccgcccgc 240  
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 ggcgcgtatg ccacgcatgt cctggcaccg gactcggctc tgctccctgt accgcagggt 360  
 tggagctttg aggatgcccg aggaactgttc gttacggcgc caacatcgta tgggtggactg 420  
 gtgcatcggg caaatgtgca gcctggggag tgggtacttg ttcacgcccg tgctggagggt 480  
 gtgtggcttg cggcgggtga gattgccaa ggcgcgggag cgacagtgat tgcgacggcg 540  
 gggaccgaga gaaagaggga ggttcgcaaa gctttcgggg cagactacgt gatcgattac 600



cgggacaagg cctggccaga gaaggagaag gcgttgtagc cagagcatcg gagcgggaat 660  
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 tgtgtggcgt ggaatgcgcg gctgctggtt attggatttg cggcaggaag tatagagaag 780  
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 tatgcgaagt ttgaaaccga gacgggtgggc gccgtgtgga agggcatctt tgatctgac 900  
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 gtgcccaggg cac 973

<210> 19445  
 <211> 974  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19445

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 tcagcgtcag aaaagaccgc gtcatcaagt actgggacgg cgataaattc gaacacatcc 180  
 agaagctgtc tggccaccat ggcgagatct gggcgatggc aatcagccac accggcgagt 240  
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 tattccttga agaagaacga gaaaaggagc tcgaagagat ttacgacaac aacctcgag 360  
 cctcccttga agaagaagaa ggcggcgccg acggcgaaaa ggccgaagcc gtggatgccg 420  
 ggaaacagac aaccgacacc ctcatggcgg gggagaagat catggaagcg ctgatctgg 480  
 gaatggagga tctcgaagtc atgcgcgagt ggcgcgtcat aaaggcgaag aacccgaacg 540  
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 ggaatgttcc tcttcatgc gcgctgctgt tcttcatgct taaaacgcat caccgccaga 780  
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 tgcttacgcg ccagaaggac gaaatgggct tcaatctctc tgcattgcag ttcgttggcg 900  
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agcgaacaac ggga

974

<210> 19446  
<211> 974  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19446

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cgggcttctt ctccgcgaga tagacgcttt cagacgctga ttgctttgat gttatcttcc 180  
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gcgggagaatg gcgagccagc tatcaaacag gaggcgaaaag atgggtgtacc accagccaat 360  
ccctcccacg atagcacact gaacttggaa aacatcctgg ctgtctctcc agagcgtctc 420  
aactcactca ttggcactgt tggcttccat aacaacaaaa ccaagtatat caagaaagcc 480  
gccgaaatca tccgcgacca gtataattcc gacattcctt ccacccccgc tgaactcatg 540  
aagttgcctg gcgtcggctc aaaaatggcg tatttgtgta tgagtgcggc ttggggaaaag 600  
catgagggca ttggagttag tgtgcacgtc catcgtataa ctaatctatg gggatggcac 660  
aagaccaaaa cgccggaaga gactcgcattg tcgctggaat cgtggctgcc aaaggataaa 720  
tggcacgaga ttaacaaatt gttagtaggc ttggggcaga cgggtgtgctt accgggtgggc 780  
agaagatgtg gtgattgcgg tcttgcaggg acaaagctct gcaagagtga aattaaaggc 840  
atggctccga aaaacaacgg tcgaggcttg ccgaagaagg agatcgttgt tgaaaccttc 900  
tcattaaccg gagagccaaa aataaaggtt gaaggggagt aggtgcttcc ggaaaatctg 960  
gatgagcaag tatt 974

<210> 19447  
<211> 974  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19447

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cagacctacc agaactgtct agcatcttcg ctgagcgcgt cgcctctac ccggacgggt 120  
gtctggccct cgtaaacgaa actggcgagc ttcacggcta cgcctctcg catccaatcc 180  
gacatcacca gccgccagca ctgaataccc tgctaggta gatccccgct gatgcagggt 240  
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ggtccaaatc ttca 974

<210> 19448  
<211> 975  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 19448

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gccattactg tggagttagc catacaaaga gggaccagga ctccgccgat atagggccag 240  
agaggcaatt ggctattgcy agacattttg gtccgctgca caaggcacgg ccagttcgtc 300  
cgatcttta ggcgggctaa cgtaacgata gcacccgacc atgggatatc caaagggtag 360  
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cggcacccgg ggacgatact aacagcacat agaggcaatc tccgccatct cctgggctca 480  
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 gagggagaac gctgc 975

<210> 19449  
 <211> 975  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19449  
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 aaaaagaccg tcaacaaagg ccgtgttgat gcgattaagt cgtctattca agagggcgaa 180  
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ataaaagctc gagacgccat ctcaggggtc tcaatggact cgcgcttcgt tcttgccact 900  
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ctgtttgatc attcc 975

<210> 19450  
<211> 975  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19450

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tctcttcgca gcaggcattg catacgtggc cgtcccagct ggatgcttct actcggaagc 660  
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gcactgggca caaatcgac aggcgatgta ctccggctat gagggatccc ggccaagat 780  
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tgatggcgtc ggtca 975

<210> 19451  
<211> 976  
<212> DNA

<213> Aspergillus nidulans

<400> 19451

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tgggagtgcc ctggcg 976

<210> 19452

<211> 978

<212> DNA

<213> Aspergillus nidulans

<400> 19452

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ctttcaccac gttcttcccg cggtaactga tcaccgacga aaccgagttg gagagctggt 180  
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<210> 19453  
 <211> 981  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19453  
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 agcatcatta tctgtgcctc catgacctt catcaggcgg agtctctttt ccatgccctt 180  
 caagaaaacc catccctcac gaaaaccttg gtcctatgtg gcggcatcgg ccattcgact 240  
 caatatatat atgaagcagt ggcccaacac agccgctttt cctccattag caacgacatc 300  
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 aatgccctat ttagtcggaa agtgctggac gatgcgggat tgcataatct ccacaggtgt 480  
 gttcttattc aggacccac gatgatgcgg cggaacctgg cgtcgttcca gaaagcctac 540  
 gaagagcggg cagagatgcc tttgttttta agttgtccg tccttgttcc gcaggtggag 600

gggtaaagg aaccaggagg aaacctgcgc tatgcgatgt cggaagtgag gttatggccg 660  
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 gggatatgggc cgaggggacg gaactttatc tctcatgtaa aggttcgggt ggatatcgag 780  
 gcagcctgga cgcgactgcg tgccctcttc aatacacgta ggtgagcaag tgcactgcgg 840  
 tgtagtgtgat ccgttcttac aagaatgatg ccacgtggaa agaagcaaga catgggaaac 900  
 tcgattgatt tcatccacgg agggcagata gcctgtcatg accgaacaca tgcagaaaga 960  
 tcaaaagaaa tgttgatgcy t 981

<210> 19454  
 <211> 982  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19454  
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 tgagagcact agttctcttg tgcgaggtat gtgaactcct gcgtggttgt ccactactat 180  
 tcgtcatttc tgattcttcc aggcgctgcg gctccaatcc ttggatatgg agctctcaat 240  
 gcactactct ttgtgtctta taaccgggca ttgatgctct tggatagatc agtcactgac 300  
 cccaccaacc ctcaaaattg tgctctatat aaactttggc ttgctgggcc ttaggcggaa 360  
 ttgccagctg gacagtttcc tccccaacag aattcatcaa atgccgagca cagcttgacg 420  
 cttgcccggg agtctcatcg tggacagtcg ccaaggatat cgttcggact cgcggctgga 480  
 ggggattata ttttgctggt ggaataacat gtgctagaga ctctatagga tacggattct 540  
 agtacgtatt tcctaagctc tttgatagaa ggcgtttgtt tacaggttga cagcttctgg 600  
 tcctacgaat actgcaagag gttaatgtcc tctcccgatg gagaagatag gagcaatact 660  
 gccttgaagg tgcttttttg cggcggcatt gctggaatag ttacatgggc ttccgtcttc 720  
 ccgcttgacg ttattaagac ccgtctgcaa gcaagtacga ttgcggaacta tgctgaagca 780  
 cgccttttat tacaagcgca gaccagcaaa cagacgctag gttcgttcga cctggcaagg 840  
 gagatgtatc gagcggaagg cttcaaagcc ttttatcgag gcattgggggt atgcagttta 900  
 agagccttca tcgtaaatgc agcccaggta atgttcttcc gcactcttctt ggacatggct 960



aatattcaaa ctagtgggac ac

982

<210> 19455  
<211> 982  
<212> DNA  
<213> Aspergillus nidulans

<400> 19455

ccgccatgcc atcgctaagt caagactact tctgtgacct tgtgtcacgc tctctcaatg 60  
gaagtatcgc ctgttacagc tttggcagat taacgctggc ccgtgcccga tttcattctg 120  
aagctaggct gatcagctttt cgttttgaaa gctggctggt aaggactggg cagtgttctg 180  
tttttgagtt gactactgct tcgccatcgg cgtcttcata gcagagctct tagtaacatt 240  
tcacacatcg ctatttcttt ttgctttttt tatgggggct ttcgggtttg cttcaattta 300  
aattgtatgc tataatgggtg tgctaactgg tacactaggc tgcttgggta cgtcacttgt 360  
caaaggacta tcctactctt gcattccacg ctctgatcaa caactctttt ggtaaaggat 420  
ctcttatcca actcctgagg caattttcat cactccactc cgaccgaaaa cagatctcgg 480  
ttgggttgat cggtatcct aacacaggaa agtcttcaat aatcaatact ctccgcaaga 540  
agaagggtgtg cacagttgct cctatcccgg gcgagaccaa agtttggcag tacgtcactc 600  
tgatgaagag gatttacctc atcgactgtc ctgggttgtt cccgccgagt cagacggata 660  
ccccagagga tattctcctc cgagggtgtg tccgggttga caacgttgaa aaccctgagc 720  
agtatatcc aacaatattg aagcgctgac aaccaagca tcttgagcgc acttacggga 780  
tcaaggaaac aagcgacgcc atcgagtcc tcagccatcc tggccgggag ggccggaggg 840  
tcctttgtgt aaggtgaccc ggttctcgat ggcgttgcta agatgggtgat caacgatttc 900  
ctccgaggca agattccctg gtttactccc cctcctttca cacctggtga ggagggtgag 960  
aagattgaag gccgcgaagg ca 982

<210> 19456  
<211> 982  
<212> DNA  
<213> Aspergillus nidulans

<400> 19456

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tcagcgactg acctaatatc acagagtcgg cgtttttctc cgactaacaac actcatagcg 120  
 gcttggtggc atcggcgccct ctgaaaactt ctacaggtac ctcccccatc tcgtatagga 180  
 atttcaaacc tgccgatact gacatacgat agtgtgttcg aagccgaact tcaagacgtc 240  
 ataccattt gccatgccac aatcgcagga acacgcatac ttggccggtt aaccgcaggg 300  
 tgcgtcgaac gcttctccag cacaaccaa tactcccaga tgtacatata ctgatggaca 360  
 acctgcgcag aaaccgcaag ggactccttg tccccacaac aacaacagac caagaactgc 420  
 aacacctgcg aaacacattg cctgatgatg tgaagatcca acgtatagaa gagcgtctgt 480  
 ccgcgctcgg taatgtcatc tgttgcaatg accatgtcgc cctcatccac cctgatttgg 540  
 agcgtgagac ggaggagatg tacgtaccaa cgcagtcaca tgcaggaaac atggaggagg 600  
 aacgcaggct aacatttaca ctagcatcgc cgacgtcctc ggtgtcgaag tcttccgtca 660  
 aacaatgcc gacaacgtcc taacaggctc gtacatggcc ctctcaaacc aaggtggcat 720  
 cgtccaccct aagactttcta ttcgtgatca ggatgagctc tctctcttcc ttcaagtacc 780  
 tctagtcgcc ggttccgtta accgcggtag ccccgttgtt ggtgccggtc tcgtcgtcaa 840  
 cgactggcct gctgtgacgg gtctcgacac aacggcaaca gaattaagcg ttatcgagag 900  
 cgtgtttaga ctgggcgaga atgggcctgg cggatttggg cagggagttg cgaataagga 960  
 tagtattgtg gagagtttct ac 982

<210> 19457  
 <211> 982  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19457

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 cagcagtcgg ccctattgcc ggtggattta tcgcagagaa cacaacctgg cgctgggtgt 120  
 tctatgaac cactatgcc gacggcgtca ttcagatcgc aggcctgac ttattgaagg 180  
 agacctacg gcccaagatt ttgcgaacgc gggcaataag actccgcaag gagaccggtg 240  
 atctatccta ccaaacggaa gtcgagcgcc aaaaaaac cctcagcgag accatccgt 300  
 cagctctcat ccgcccttc cgcctcctgt ttacgcagcc catcgtccaa gccattgccg 360  
 tgtacctcgc ctacacctac ggaataatgt acctcgtcct ctccacgttc ccgagcctat 420

ggactggcga acaatactat aatgaatcca tcggcatcgg cggcetaaac tatatctccc 480  
 tcggaattgg cttctggctg ggctctcaga tetgtgctcc actcaacgac cgcatttacc 540  
 gcagcctgaa agccccgaac aacggcgctg gcaaaccgga gtttcgcgtc ccaactctct 600  
 gcgtccccgc ctctctcacc cctgcccggc tcttcatcta cggttggaaca ggtcagtacc 660  
 aaacacactg gatagcgccg aacattggcg cggcgatttt cggcatggga acgatcgta 720  
 ccttccaatg cgcgcaaaca tacatgatcg actcgtatac gagattcgcg gcgagcgct 780  
 tggcagcgag tgcgtttttg cgggtcaattt gcggcttcgc gtttcgcgtt ttgcaccgt 840  
 atatgtatga cgcgttgcat tatggatggg ggaatagttt gctaggcttc atcagcttgg 900  
 gtttggaat cccggcgcca gtattctttt ggaagtttgg ggcgttgctg aggaagaaga 960  
 gtacatatgc ggcgggttga ca 982

<210> 19458  
 <211> 983  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19458  
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 tctggacgtt ccagcccgcg ccaggcgaga agatcatccg cgccactgcc cgccacctc 120  
 acgacccagt tgcttccatc ggcaaggctc tgggcaaccg atccgttctg tacaagtatc 180  
 taaccccgaa cgcagctctc gtcactgcgg cgggcgaaga ttcggccaca ttctacctgc 240  
 tcgacggggg caccggccgc attctccata ccagcacgca caaaggagtg gacactgcgc 300  
 agcccacgc atctgccatg tcagagaact ggttcgcata ctctctctac gccgagggca 360  
 ccgatccctc tgagcccaag gggtaccagc ttgtcatttc ggaaatgtat gaatcgccca 420  
 tacciaacga ccgtggccct ctaggatccg cgtccaacta ctctccatt gccgacctgc 480  
 cccaacctca cgtcatctcc cagtccttca tcatcgaga gccaatctct tacatggccg 540  
 tcaccagac ccgccagggc atcacaacgc gccagctcct cgccacactt cctgcgtcga 600  
 acgtataat cggcatccca cgtccagtcc acgacccccg ccgtccagtc ggccgagacc 660  
 ctactctac ggaagccgaa gagggcctga tgaaatatgc gccctttctt gatttcgatg 720  
 ggcgttggtg cctctctcac gcgcgtcagg tggcaggcat caacaccgtt ctgtccgcac 780

ccacgctect tgagagtaca agtctgatat ttggtttcgg aaacgatatt ttcgcgacga 840  
 gggcgacccc gtctcaggct ttgatatcc tgggcaaggg attttcgaaa ctgcagttgc 900  
 ttttgacaat tgttcgctg gcaattggtg tttcgatgtt ggctcctatg gtatgtctct 960  
 tccaacttcc ccttgtaatt tcc 983

<210> 19459  
 <211> 984  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19459  
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 tgaagctcca gtctacatcc cggacacagg tgacctcttc atagtcggca actaccagac 120  
 cccaacaggt ggccaagcga tccaaatctc ccgcatgggt cccagaaga atggcagcta 180  
 tgtcgcgag atcattcacc ccgacattcc catggccaac ggggctatca actacaatgg 240  
 cggcattctt ttctgtgacc agggcacaaa agagcgtcct tcttcctga tcttcatgaa 300  
 cgcgaccgcc ccctacgaga ccaaagtctt gctcgacagc ttctacggcc gtcacttta 360  
 cagtcttaac gacctcgagc tgcattcaga cggcagtata tggttcacgg acccgacata 420  
 cggctacgac cagggcttta gcatgaagcc ggacctgcca aaccaggtct accgattcaa 480  
 tcccaaaacc ggcgacgtgc gcgtggtggc tgaccagatt ggccaaccga atggcattgc 540  
 cttctcgccg gacgagagta tcgtctatgt aaccgatacc gatgctgttt ggggaaacgg 600  
 cgataatgac tccaccaggc ctgcgactat gtatgtctct ttctatcatt ttctctgtga 660  
 caacaggaag gtactaatag ctgcagctac gcttttgacg tcaaatacta ctccggttct 720  
 ctttctctta tgaaccgccg tgtctttgcg tacaccgata acggcatccc cgacggtgtc 780  
 aaaacggaca ccgagggcaa cgtgtatgcc gggcgccg atggagtcca tgtctggtcc 840  
 cccgcggtg tgctgctggg caaaatccag cttcttgga cctcgccaa cctggcggtt 900  
 gccaaacctg gcgagatgtt tgcgtgaac gactaccggc tctggaaggt tactctgagc 960  
 cagaatgttc aggggactat tctc 984

<210> 19460  
 <211> 984  
 <212> DNA

<213> Aspergillus nidulans

<400> 19460

gacttggttg atgatgatga ggcacagtt caagatagtg acaatgagcc tgggtgttgg 60  
cgtaccacc aatcgacgca cgagaagcag cgcgcgcgca ttgcagatga gattcgacgc 120  
ttagaagctg ctaatgtggc taagaagaa tggatggat cggcggaagc tcgggcagcg 180  
gagaggcctg tcaactcact catagaagaa gacttggatt ttgagagggt tggaaagcct 240  
gtgcctgtgg taaccacgga actgtctgaa agtatagagg aattgatcaa gcgcgaatc 300  
atagccaaag aatttgacga agtcatacgc cgccgtcccg ggctgttaga ccgacaactt 360  
acccaaaagg ctcgggttga aattgaagac agcaaaccgc agcagggcct tcgggagctc 420  
tacgaaacag accatattcg gacaacggat tcaaattacg ttgacccgaa gcaccagaag 480  
ctcctgaaag agcatactga aatcaccaac ctctggaagg agatcagttc tcaactagat 540  
acgctctcca actggcatta caaacctaag gcgcgcgagg caagcatcaa tgtggttacg 600  
gacgtggcaa caattactat ggaggatgct caaccactg ccggtggtgc tatacgcgca 660  
tcggcagcac tcgctctca ggagatttat gcaccgagcg agaccagag agccactggt 720  
gagatcgtga tgagagacgg ggtgcccgta accaaagagg aaatgacccg agaagacaag 780  
gcgagattca gacgcggca gaagaagatg gctcaggcgt ctgctaattc caatcagcca 840  
cggcttagga aagcacttga aaagcagcag attgtttcgg acctgaagaa ggccggggtc 900  
aaattgattg ggaaagaagg cgacatgatg aacattaatg ggagtaagat tgttgggaca 960  
gttgatagga atggggccca tgcg 984

<210> 19461

<211> 984

<212> DNA

<213> Aspergillus nidulans

<400> 19461

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aacgctgttc tgtccacaca cagcacaatt gagaactccg actgcacgtt cctcgttgat 180  
aacgaggctg tttatgatat ctgccgcgg aacttgata tctctcgccc cagctttgag 240

caccttaacc gtctgattgc ccaagttgtc agctctatca cctccagtct taggtttgat 300  
 ggtgctctca atgtggatct gaatgaattc cagaccaaac ttgtgccgtt cccacgtatt 360  
 cactaccctt tgatctcgta cgcgcccggtt atttcaagca accgcagctc tcacgagagc 420  
 ttcaagggtcc aggatctcac tctccagtgt atgttttcac ttgggtgct aacgtattcc 480  
 gtgcgctaca tcacagaaat ataataactg atcttgcatc taggtgccga gcttaacaac 540  
 cagatggctg tttgtgatcc ccgtaacggc aagtacatgg ccgtagccct cctgtatcgt 600  
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 ttcaacctag ttgaatggtg tctactggt ttcaagggtg gaattaacta ccagaaaccc 720  
 gcgcgtgtcc ccggaagcga actcgccct gtgcaccgt cagtcagcat gctttccaac 780  
 acaaccgcca ttcccgaggc atggagctgt ctgcaccaca agttcgacct tatgtactcc 840  
 aagcggggct tcgtgcattg gtacgtgggt gagggtatgg aagaaggta attctccgaa 900  
 gcccgtgaag acttggtgct ccttgagaag gattacgagg aggttgctgg ggacagcctt 960  
 gatatggagg gcgaagaagc cgag 984

<210> 19462  
 <211> 989  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19462  
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 gactacatag ggtcgtcccc agcagagacg atatcgcttg ctcgccccgt acaagaaagt 240  
 gaatttgctt ttggtctcca aagtgaggct cgagataaca atctgcatat aaacgtcgga 300  
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 ggctatatca cgcagcggta tcagaaggta cacctgtttg atgtagatat taaaggaggg 420  
 cctgtattga aggaaagctc gtgagttccc cgctgatgca acctgtgagt ttcgagctaa 480  
 tggctgtacg aaggagcgtt gaaaaaggaa acgaaatact tccgccattc gacacagttc 540  
 ttgggcgtat tggattatca atctgctttg atgtaggatc ccgttggtt gttatctctt 600

ctagcaaaaa gaggaatgc ttatggcaca attttacagc tacgcttccc tgagatcagc 660  
 ttagcattaa gacgccagaa tgctcagatc attacctatc catcagcatt tacgggtcccc 720  
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 gtaatagccg ctgcgcaagc aggtcctcat aatgagaaaa gacagagcta tggccactcg 840  
 atgattgtga acccctgggg agagatcatg gctaagcttg gcgacgagta tgaagagcca 900  
 cagatcgctg ttgcgaatat tgatctggag cttctgggaa aggtcagaac agagatgccg 960  
 ctgcttagaa ggacagatat ataccctga 989

<210> 19463  
 <211> 989  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19463  
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 ccactatcag cctcctttgt cacggagcca gagctgctag acgcagcgct ttctctggcc 120  
 caggttgcgg ttccggcggc tctgaagatg ccacgctcaa cgtgccagcc ggacccttat 180  
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 gggattcttg atgagccttt ggccgttgat gaggtgcttc gcttggtaga ctgggggtgcc 360  
 attgggccgg ccaccatcgt ggatgtcagc ttaccatcgc gtcgatccag atcatccgc 420  
 tgacagcatc cagatccatc ccccgccac cagcaccatc ggcatgattg ctgccctggg 480  
 tcctgccgcc cagttagtta tccagacaag ctgccttgtt aacggccagt cgggcccgat 540  
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 ctcggtgcat tcgcgggggg ccggcgcccc ccagacggtc ttaggtccag cgggtctacat 660  
 cgtccgcatc ccgtccccct caccatgct accttgagc aaattgcgga gccaaactgt 720  
 gatggagctg caggcccatc tccaggttct ccgcactcag cccacttccc gcctgatgat 780  
 agcggcctta gtcttgccgt cgcttggaac agtcaatcag gagacggaat ccatggtgcg 840  
 actgcgcgac atgtcgctcc tgcagttgtc taatgagcgg cagcctacca agacagagat 900  
 cgtcgagatt gttaccggca tcagggaactc agggggctgt ttagtggtga cacgcgagat 960

acacacaaca gccagtgtg caattgggc

989

<210> 19464  
<211> 990  
<212> DNA  
<213> Aspergillus nidulans

<400> 19464

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gaaagagctc ggaggtagtc gcattttgtg ccgatgcttt gacttctaca ataccgtcat 180  
aagctaataag ctttggcggt attagaggac tatattatct tcgattgtcc cggccaggta 240  
gaaattttca ctcaccattc gtccctacgg aatatcttct tcaagatcca gaagatgggc 300  
tatagagtgc gttacgcatt tgtccttatt taatggcata gccccggcta acatctgtgc 360  
gtacagctaa tagtactaca cctaacgac tcctacaacc tcacctgcc atcgatgtac 420  
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gtcctaacaa aaatcgataa tttgtccaat tatacttcgc tgcctttcaa cctagatttc 540  
tacaccgagg ttcaggacct tacatacctc ctccccact tagaggcaga gtctcccg 600  
ctatcgacg agaagttcgg agcactgaac aacgccatca tcacactgat tgaggagttt 660  
ggactcgtgg gcttcgaaa c actggctgta gaagataaaa agagcatgat gaatttgctc 720  
cgggccattg accgcgcaag tggatacgtg tttgggcctg cagaaggcgc aaatgactcc 780  
gtttggcaag tggctgttcg ggaaggaatg gggccatg atatccgtga tattcaagag 840  
cgttggatag atgcaaaga cgagtacgat gagttggaac gacggcagcg agaggaggag 900  
ataaaaaatc accagcaagc tgcaacctac caggcaggga acgaggacga cgacgatgat 960  
aacgattacg aattcgggcg caggatgcct 990

<210> 19465  
<211> 991  
<212> DNA  
<213> Aspergillus nidulans

<400> 19465

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 catcgattgc gaacacggcc acatctccga cgacagcatg cacaacgccg tcgccgcaat 180  
 ctccgcccta ggcgctctcc ctataattcg catccgcggg ccagcgcgat atatacaaaa 240  
 acgtgcgcta gatacaggcg cgcacgggat catggtcctt caaatcaaca acgcggatga 300  
 agcgaggggc atcgtggctt cttcaaagt cccgcctcag gggtccgcg gtcagggtc 360  
 cgcattcccg gcgatagggc acggccttac gacacctgaa tacatgaaat ccgcaaata 420  
 gacgattatc acaatgatcc agattgagac aaaagacgga gtcaagaatg tcgaggagat 480  
 atgtgcggtg gaaggggttg atatggtgtt catcgggccg aatgatctgg cgatgagtct 540  
 gttgggggat gtccctgcta gaggggatga gcctgtgttt gttgaggctg tagagaaggt 600  
 cttttctcgc gcgagaaagt atggaaagt ggagggagg atggtcaatg atgggactat 660  
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 cacgaattgg tatgtgaaag agtttgatat cgctagatcg tagactacat agacttgctt 780  
 aatatgggtt actgttttgt tcacaaaatc actgtacgag tacgcttcaa aagtttgtaa 840  
 gcggacttcg tgaacgtcac ccgttcata tagctcctca ctctcgcaat gtatgcttta 900  
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 tagagtaagt ttggtcaca aatggtaggt a 991

<210> 19466  
 <211> 991  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19466

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ggcgccggga tcatcagcag cgtggttctc cagtccgacg acctggatga gatcgattgg 480  
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 cgagtcaagg acttccaaag cgccaaagaa tatactatt ctggacactc gggttcatac 900  
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<210> 19467  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19467

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 tgccctgggtg cagcttgcat caggatgtc ttctctcaat ctgcttagcg ttcaatctaa 180  
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 cctcgaggct gcaaaggccg gtgcctcctt gattgtcctt cccgagtgtt ttaactcccc 300  
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 ggtattctca ccgtccggcg cgtcatttgg aaccaccgc aagaccacc tgtttgacat 540  
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 gactattgtg gacctacctg actacggcaa aatcgggtct gccatctgct atgacatccg 660  
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<210> 19468  
 <211> 992  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19468  
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 ggcttcttcc cacatattcg caacgactat caacgaggca aaactcggcc ccgcgctttt 180  
 cagatcggca cgaagaacgt cgactaacct gagattttct cccttcgcag accactttcg 240  
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 ttcaccccat caaattcacc acggtatgcc ccgctgttga ccccgcttcg gcccttcgcg 360  
 cgtctctttt gtcgccccga ctaacgcagg tatcagaacc tgggcacaat ccaattcgac 420  
 gtttgggaca cagctggtca ggagaagttc ggtggtctgc gagatggata ttatatcaac 480  
 ggacagtgtg gtatcatcat gttcgatgtt acctcccgta tcacctacaa gaacgttccc 540  
 aactggcacc gtacgtgctc tcatgccctt ttagcagaac gtcactcaca aatacatagg 600  
 tgatctcgtc cgtgtctcgc agaacattcc tattgtcctt tgcggttaaca aggtcgatgt 660  
 taaggagcgt aaggtgaagg ccaagaccat caccctccac cgcaagaaga acctccagta 720  
 ctacgacatc tccgccaagt ccaactataa cttcgagaag cccttcctgt ggcttgccag 780  
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 gcatactgac agaaactttt gtaggaattc gttgctgctc ccgcccttgc tcctcctgag 900  
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<210> 19469  
 <211> 993  
 <212> DNA

<213> Aspergillus nidulans

<400> 19469

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gccgatgaaa gccaaatgct tcagcgaggc tgagaagcgg ctaatggctg agcgggtgcg 180  
cgccaacgac actggaatcc agaacaagca gtataagcgc tatcaagcgg tcgaggcgct 240  
catggattca attgttttgg tatgcgtgct cctccagctg agcagcacc tggttatcgg 300  
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cagttgttga atatcgcgca aggcgggggtg accattgccg tgatgggtgg tggtgcgtcg 420  
ctggcaacgt ggacgcgcgg gacgggtgatg ataatgcctc tgtgcacttt gtacgtccac 480  
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cggcaccgcc gtcactctact ccatttctcc taccgcagca tctagagtag gcctcctgat 600  
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<210> 19470

<211> 993

<212> DNA

<213> Aspergillus nidulans

<400> 19470

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cgcagtgtc cgagtagcgc gaccagcgg cgtacctag acgcaacgag ctgccaccg 180  
aatccgcctt tgatcgagac tttaatttca ttacgagtat cgagcgacgg ctagagcgag 240

caacgcgcga tgcggagaac aggggcgtag tggttgatgg gagacaggga gttagggagc 300  
 cgggaattgt ggggttggat gaggatgagc tggggcaagc tgatgctatg gatgggagga 360  
 agagaaagcg cgcgggccct ggagccggga atggtattgg tcatggtttt gagagggggt 420  
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 aggtccgaa ggggatgagt cgggcgaaga tgaatggctc aaggtggcat acaaagttag 540  
 tgttcacatt attcacgtat ctctctacgt cggactttgt taactgttat tgcggtatag 600  
 gcagaaatgt ctgcaatgga caatcgatg ggtgacggac aacgggacga aaaggatgaa 660  
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 gcaggaaacc gcgaaggaat ctacgcagga gaccaagaac gtcgagcccg acaaaaatgc 840  
 agagccctca caatcgcaat cgcaaacaca ccagccgcct aaatcagaca tgcgttttcc 900  
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 ggctcaagac gacacaacac aaccgacatc aga 993

<210> 19471  
 <211> 993  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19471  
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 ttgcagtatg gagcgcaaaa gtatatagtc tgctactgtc tccctagagc gtatcgctaa 180  
 ccagtcactg tgctgtctcc gtctcgcagg gccaaagaac gcacactatc tcgattgccg 240  
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 cattaggaga attagtgcga gaccacctga accgtactct agtgctgtgg gtctataaca 480  
 gcgaattcga cgtggtgcga actgttgatc tggtgccctac acgaggctgg ggtggcgaag 540  
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 gagcgtttga tgattatctt gcagagggcg aacagaaaag caaggaacag gatcatgtac 900  
 cgtcacggag aggaacaccg ctcccgcgcg cgccaaggc tgggcaattg caggagcaaa 960  
 aggaatccgg atagaagaga ttgttttacg act 993

<210> 19472  
 <211> 993  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19472  
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 ccgacggtga ccgctaacaa gcttttaata ggcaactcct cggcacatac gacgctgcaa 180  
 gcgataccgg cggctctaac ggcgcgaggaa tgcgctatga agccgaaggt ggcgacccgg 240  
 caaacgccgg tctccaacac ggccgcgcct tcctagagcc cgtgaaggag aagcaccctt 300  
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 gccatgctga tcgctcaggg ttccagggcc cttgggtgaa caatccgacg cggttctcga 600  
 accagttctt caaactgctg ctgaatatgg agtggaagcc caagacgtta gagaacgggt 660  
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 cgaagcacia ggatctcttc ttgaccact tctcgaaggc atttgccaag ttgattgagt 840  
 tggggatcca gagagatgcg agcggcaagg tcacgaatac cgataacgtc aagggtggct 900  
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agcgtgctgc taagctgtag gccgatgctg ggg

993

<210> 19473  
<211> 993  
<212> DNA  
<213> Aspergillus nidulans

<400> 19473

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tgggagggat agtctgaaga agctgagaac agactatgtt gatgtgctct atgttcactg 180  
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gtactgtacc tgggggtttt ctgacatggg tcgttgtcaa ggccaacgag tgtgggttca 360  
tatattgaga ttctcgtccc cgaaatcaac taacatcatc cccgatagtc gtcgaaaaa 420  
atggcatcac tcggttttca atataccaag gcaaatggaa cgctgcgttc cgtgatatgg 480  
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ctcgcgggga gcctgcttct atcttgccaa cagaggcaag agcgtgagaa aaagcaggct 600  
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aaggtcgctg ttgccaagaa gactacagtg caggctatcg tgagtcaaca ctctatccca 720  
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gggatgaatg atgcaataag tgtcaagtct cgcccgaaga gatccagtca atacaagatc 900  
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gggttcagga ctcggttgac gccggtggac cat 993

<210> 19474  
<211> 994  
<212> DNA  
<213> Aspergillus nidulans

<400> 19474

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 tcggtataaa agtcataaag gacctcccag gcgtcgggtca aaacctcttg gatcatgcac 240  
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 aatacggcac cattgcggcc gcccttgtcg cccctctctc gcgggggtct gtctctataa 600  
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 gtacgtgcta tatggttgcc gagaagatcg cgga 994

<210> 19475  
 <211> 994  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19475

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 ctgtttgcac tcgtaagtct tgcccagtta attttctttc ttttttgctt tttcttctc 240  
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 gctttgcaaa ttctaagcga cgtctatggc aagcctaagg atgaccccaa gatccaggcg 420



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 ttctgtctaca tgttttgctt tggcgcatcc gtca 994

<210> 19476  
 <211> 995  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 caaaccggat gatctcaagc tgcttttcgg tactctcgat ttctcgaatg gcaaagcagc 180  
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 aatgctccaa actgcgcctg tccttcttgt attccccca acggtcggcc ctacgccaa 300  
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 attagcgcaa atttgctga cagacattat ccgctagtcc cgtttccgcc gaccaagtct 420  
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<210> 19477  
 <211> 996  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19477  
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 atgcgagct tggtttatgc ccaatgacct tgagggtcgc acagggattg atgtttttcg 180  
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 ctggccgaat acggtgacct tagtattcga agagtatacg atggaagctg gacgtaagt 900  
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 gttagaccaa cggatggatt gattaagaag gcaacc 996

<210> 19478  
 <211> 996  
 <212> DNA

<213> Aspergillus nidulans

<400> 19478

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cagcgtcggc gtgacgtcca agagcagcga tcccaacgcc gacattaata tcttctccgt 180  
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<210> 19479

<211> 997

<212> DNA

<213> Aspergillus nidulans

<400> 19479

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<210> 19480  
 <211> 997  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19481  
 <211> 998  
 <212> DNA  
 <213> Aspergillus nidulans

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 tcatgcgaga atgggtcctg gacttctatc aacatattgg ccagcgatca gtccttcttg 300  
 caatggacaa cctccctgca catctttctg gcctagagct ggcaccacca cctcccaatg 360  
 tacgcatctg ctgggtccca aagaattcaa caagccggtt ccaacctctt gatcagggga 420  
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 tacgggcctg gcatcatgat gtccaaagct caactatcct agcctgcttt tataagagca 600  
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998

<210> 19482

<211> 998

<212> DNA

<213> *Aspergillus nidulans*

<400> 19482

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<210> 19483

<211> 999

<212> DNA

<213> *Aspergillus nidulans*

<400> 19483

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gccgtacagg caagtaccac gcctgcccag acgtcgtctt cttttcgacg cctccccacc 240  
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gccatcaagg tacagatagt ggacgggtag agtgttctg 999

<210> 19484  
<211> 1000  
<212> DNA  
<213> *Aspergillus nidulans*

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ctatttgatt catatatcat tattctcgaa tgcggccaca tcgggctcgt taaaatatag 180  
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ttaccgagag tacgcacttt caatgggtct tgctagtgtc tcgcggaat catgcgaaaa 480  
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 gttccaaatg ttggtgaaac agacactggg attcaccatt ccgctgtttc atgcacgcgg 780  
 tgttttcaat tacgatgttg gcttgatgcc gtaccgccgc ccgctgaata ttgttgctcg 840  
 ccggccaatt catgtggttc agcaacagga cagaaacaaa atcaatgacg actatattga 900  
 tcaactccat tcagagtacg tgagagaact tgagaggctg tgggaagagt ggaaggacgt 960  
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<210> 19485  
 <211> 1000  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19485

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 cctcggcgta aatgtgtacg tggatgctaa gctacggcat tcaaagcgat ttgacgcccc 180  
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<210> 19486  
<211> 1001  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19486

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cttctccgcy ccttctgcgt tcccggtaaa gacaaaattc tcacctgccc tcccacatac 180  
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gttgcatcca caagtcctga gattgctacc cttttaaaca gtctaaaagc accttataac 600  
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gtcatcgcat cgtatcgctc caagattatt gctcagcgcg accgaatcct caaggagctt 720  
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gttgcgaggg ctgtttgagg attacggttg gaacagaaga cgaggttacg aggttcttgg 960  
aagagatcag acatgttctc ggtggattgc ttaacggtaa t 1001

<210> 19487  
<211> 1001  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 19487

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<210> 19488

<211> 1002

<212> DNA

<213> Aspergillus nidulans

<400> 19488

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<210> 19489  
 <211> 1003  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19489

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<210> 19490  
 <211> 1003  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19490

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<212> DNA  
<213> Aspergillus nidulans

<400> 19491

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<212> DNA  
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<400> 19492

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<213> *Aspergillus nidulans*

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<210> 19494  
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 <213> *Aspergillus nidulans*  
 <400> 19494

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<210> 19495  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19496  
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<212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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<210> 19497  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19497

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 <213> *Aspergillus nidulans*  
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<210> 19503  
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 <213> *Aspergillus nidulans*

<400> 19503  
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<210> 19504  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19504

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<210> 19505

<211> 1012  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19505

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<210> 19506  
 <211> 1012  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19506

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<210> 19507  
 <211> 1013  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19507

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 agaaagaaaa agagaagata caagattttg agaaccttga gagttcattg cgccggtttg 300  
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<210> 19508  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19509  
<211> 1014  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19510  
<211> 1015  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19510

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<210> 19511  
<211> 1015  
<212> DNA  
<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*  
<400> 19512

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<210> 19513  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19514

<211> 1018  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19514

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<210> 19515  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19515

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<400> 19516

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 <213> *Aspergillus nidulans*

<400> 19517

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<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 19519

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<210> 19520  
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 <213> *Aspergillus nidulans*  
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<210> 19521  
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 <213> *Aspergillus nidulans*

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<210> 19522  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
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 <213> *Aspergillus nidulans*

<400> 19523

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<213> Aspergillus nidulans

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<210> 19525

<211> 1028

<212> DNA

<213> Aspergillus nidulans

<400> 19525

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<210> 19526  
<211> 1029  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19526

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<400> 19528

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 19533

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 <213> *Aspergillus nidulans*

<400> 19535

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<211> 1035

<212> DNA

<213> *Aspergillus nidulans*

<400> 19536

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 <212> DNA  
 <213> *Aspergillus nidulans*  
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 cgaagcgcag tgtctaaccg cgccgccgta cgcactcgcc ggtatcctta tggtagacac 960  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19540

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<210> 19541  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19541

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tgcacaatag gaggagtggg taaaagctgt cttaccggta tggagatccg tcgctctgac 180  
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<210> 19542  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19542

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 ccagatcgtc ggcaagtcc tcctcgaagc gatgggccag gtgctcggtg acgcgctcac 300  
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 ccgtatcagt gtacgcaagg accttggtct ggatgcctct gacccgtccg cgcccgcgca 660  
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 caccatccc tatggcgact tccacctcac cgatgcgcgc gctcaagcc cgcttgcct 780  
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<210> 19543  
 <211> 1038  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 ggtaaagtca gcgggaatct tgttacggat cgctcaaga ttgctgatat cgatgtacaa 360  
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 attctagggc ttggtcggtc caatgatact tccatgggcg gcaggcggtc gttcatggac 480  
 ctggtcacgc aagaggggga tcttgattcc aacattgttg gtttccacat gtcccgaac 540  
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<210> 19544  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19544

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 ctgagttcaa aagaaaatga tgagtacgga cctgttgta caggcgcgcg aagcgcagag 240  
 tttcgcaaaa ctaataagag taattggaag actattgggt cgtctacgaa cacgggtacg 300  
 gatacagcta cagctacggg gccaaatgct ggacgggatg aggcagacgc tatattagcg 360  
 gatgcgatgg ctgaggagga tgcgaggcgg gcagcgggtg atgaagacc gatggttggt 420  
 gatcaggatg ataataagaa cgatggaggg ctgcgaatgg aatcgggcgc tcgcgcgggt 480  
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1039

<210> 19545  
<211> 1039  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19545

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gtgatcgatg gttecgagtt acctaccttt ccttctatgc acagtcttca gcgagccccc 180  
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aatatctttc tacaatgtta ccacattcat tgacaccaag gtcgtctcta tcaacgccac 300  
tggaactgcc aatcggacca cttecttcac cgcaaccctt gctaaccgaa ccacctacac 360  
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gagaaccagc atgaaaggcg tttggggggg tggcgacgcg aatagcgaca acagtactaa 960  
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gttctctttc aaggacggg 1039

<210> 19546  
<211> 1040  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19546



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 aatcagcaca ttgacaacc aaatcaccac aaactacttt ggcaagggca atacgacctc 600  
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<210> 19547  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19547

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 <211> 1041  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cattcgcgca atgctcgacc ggcacccccg cacggaaacg ggggggttct ggcaccggca 420  
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<210> 19549  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19550  
 <211> 1042  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19550

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<210> 19551  
 <211> 1043  
 <212> DNA

<213> Aspergillus nidulans

<400> 19551

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aaaaactatt caagatctca gcacagtcc cagattccgc cactactgac tgtcaactat 660  
gcgacgcac ccgagtggca tgaagaagtc ctcaaactca ctgacgggag tcgacctggt 720  
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gacaatcagc caagtgggt atctgagtaa gagggacca gcgcatatgg atgagttctt 840  
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agtggctggt taatgctttt tcatgttata gaggcataa tggcgggtcg aagcatgaca 960  
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<210> 19552

<211> 1043

<212> DNA

<213> Aspergillus nidulans

<400> 19552

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atgtgatgga ctgctctact ccaaaagtgc aatgccaggc tgccttggcg cttcgaaacc 180

ttgcctccga cgagaagtac cagctcgaga ttgttcgtgc aaaggggcta ccgccgctcc 240  
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 tggtcgacct tctgggatca acagataatg aagagatcca atgccadgca atttctactc 420  
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 gcgcctagtg ggctacatcg gaaaatctga tgacatagtc caaatggtaa ggtcaatatc 960  
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<210> 19553  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19553

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 catcaaggct gttgctaagt cgcccttctc tgacaccctc aagcagaagg acttttaggt 420  
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caagaagctc gttgatatta ccaaggactt cgagcttgag gagaccgacg aggagaaggc 540  
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 ccgtactggt cagttcgggt ggtccgctaa catggagcgt atcatgaagg ctcaagccct 720  
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<210> 19554  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 atacaaacct agcgagagca atcccttcgt tcttggccta ccaactggaa gcagcccaga 180  
 gatcatctac aagacccttg tccggcgcta caaagctgga gatatctcat tcagacatgt 240  
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 ataggacgaa tatgtcggtc ttccgcgcga tcaccccgaa tcgtaccata gctttatgta 360  
 caagcatttc ttctcccatg tggatattcc tccgcagAAC atcaacattc ttgatgggaa 420  
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 cattgagctc tttttggcgc gagtgggttc tgatggacat attgcgttta atgagcctgg 540  
 ctcatccttg aacagccgta cccgggtgaa aaccctggct tacgacacga ttctggcgaa 600  
 ctcccgtttc ttcaataatg acatggccca agtgccctcg atggccttga cagtgggcat 660  
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 tcctcttctgc tacagcccc gaacctactg cctgctcgc atgacagtga acaaatacaa 960  
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 tgacctcacg cggtcattcg agg 1043

<210> 19555  
 <211> 1044  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 ccaaccata tagtcgaaac cagtcaattg ctgatgctat tccagccacg aaggtctctg 180  
 atgggtgtgc gaatgggtac gtacaacggg gcaaccgtcg caatggagca tcaaacatac 240  
 ctacaacaaa tgggtgacta actcgtgcct ttcgacatga caggcacatc ccaaatttgg 300  
 tacaattctc gcgtcctcat catatgacgg caaagtgtc atctggcgcg aacaacatca 360  
 aagctccact gccccattg gcagcgggtc ctggacgaaa gtctttgatt tctcccttca 420  
 caccgectct gtgaacatga ttctctgggc cctcatgaa actggatgtc ttctcgctg 480  
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 gattttccac gctcacggta tgggcgtcaa ctccatcagc tgggccccctg ctgcctctcc 600  
 cggtagtctg gtcagctcaa accctggtat tggacagcag cggagatttg taaccggcgg 660  
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 agacgctgga aggtcattct gattgggttc gagatgttgc ttggtcgcct agcattctct 840  
 ccaagtcata cattgcgtct gcgtcgcaag ataagaccgt tcgggttttg actgctgatg 900  
 catcaaacc tggccaatgg acgagccaag tacttgaatt tgataatgtt ctgtggcgtg 960  
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 tgtggaagga aaacctacg gggc 1044



<210> 19556  
 <211> 1044  
 <212> DNA  
 <213> Aspergillus nidulans

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 aatctgtctc agcaacctcg gcaatgggac tcacgtatcg attcgaatgg gcggccgagc 180  
 gccgtaatgc tagaccacaaa gatccctgag attgttgaaa cccctgcgcc tgagattcat 240  
 acaccgccac aaaactcaca gcgcagagca cttcagtcgg tgtatccagc catgatactc 300  
 cactccagtc taagcctgac aaacggccgg tcgctgtctg gacgcactct acccatccga 360  
 cagagcccgC gtcgaccttg agtgaatttg ccagtaatcc tcagggtgta ccaggcaata 420  
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 ttctgggctc tgaggataaa gaaaaggaga agaagaaaga tagcgaatcg aaaaagacca 600  
 aagcaaagat tgcggacaaa gtcatgatg ctgcgaatat tctccccgct tccaacgaat 660  
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 gcaagaagga caatgctcgg agatcgtcag cggaaaccaa aaaagagaaa gagtctggtt 780  
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 cgtatctcgc caaagttcag caaa 1044

<210> 19557  
 <211> 1044  
 <212> DNA  
 <213> Aspergillus nidulans

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 agcagcctga agtacggcta cttcttccaa gccggcaatg gctcgtatac tgctcgccc 360  
 ccttctcctc tcaaggccgg cgtggggaag ggcaatgggt tcgaaggcat ttccaacgac 420  
 aactatacca ctatgcgtgt tcagagctcg caccctaagt tcacgttcga tctcacctac 480  
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 ggtggcctca caaactggac ctggtatggc cttcatattc ccaaaactgg ccatgtcctt 720  
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 gagatcccca gttatgatgc gatcatcaaa gtcaagagcc gcacggagaa tcagttgaat 960  
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 ttccagggga cagagactga ggga 1044

<210> 19558  
 <211> 1048  
 <212> DNA  
 <213> Aspergillus nidulans

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 ggggtggcga cactgtggaa gggcgtatcg agcgtgattg tcggtgctgg taagcagacg 240  
 aggccaaagt cgatacgatt ggcgcatcct acgggctaac ttttgggctc tactttttag 300  
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atgtggatga tggacaccat ccattggcgg cggtaagac tgtaacttac aactttacgg 420  
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 ctgatgaacc ctttcgatgg tgagttttga caacgcgtgc gactattaaa aagagagctt 540  
 tttctcacat aagcagtaat caaacaacga atgcaggtac acggctccat acacaaaacc 600  
 atcttccagt gcgccaagtc tgtctacaag actgaaggtt tccatgcttt ctacgtctcc 660  
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 ggcgcgcgca ccgtcatcaa gcgccaattc ggttgagag gattcttgcy cgggtgctgc 960  
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 aaggcttatt tcaagcgcca gtggacaa 1048

<210> 19559  
 <211> 1048  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 atatgacaac attgacggca tgattctgct ctctgagctt tcgcggagac gtattcgtag 240  
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 gccactcgca cgatgcttcc aagatctcaa tcacgtaagg ctcttcacgc tagacgtcag 600  
 aacttcgct aactcatatt attcttatag gaaccccgat gtttgggccc atgtcgaatt 660

ccccaatgaa gccgtgaaaa aggagctgac tcagtagcatt ggcaagcgac ttacacccca 720  
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<210> 19560  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 aattcgatc ccacctggc gatttcgct atgcagatga ctggttctc tcaactagaca 180  
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 ccccgatctc cggcgaaaag ccgtacatgg ccagtcgccg caaccacgag gcggcatgcc 300  
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 tgcaccgggt tggccgaacc atgccgtcca gtttcacctc ggtctccacc aacgactcag 420  
 cgaaagtgtt cgccaaccaa gcgcgcgaac tggcgagcgc gccattcttg tactcttttg 480  
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 gcggaaaagg cggttcggct catctaaacg gcgggccttt cggcgcaaag aaccagcaac 600  
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tttttggatc ggaatcacct ccaagtggac tttatcaact cggctctctgg ggagggtgtg 1020  
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<210> 19561  
<211> 1051  
<212> DNA  
<213> Aspergillus nidulans

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caaaccgcca tctatgagaa aatgttcaat gaggacacag catggcctct ccctccagct 180  
tcctacaaaa cacgcgtctt gaagacgatt atcgacaaaa ttgaaaaatc aatttccaac 240  
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<210> 19562  
<211> 1051  
<212> DNA  
<213> Aspergillus nidulans

<400> 19562

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cgtcacaaac ccgcatctca actggcgctg gcccggtac attctcgga tttgggtcat 240  
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<210> 19563

<211> 1052

<212> DNA

<213> *Aspergillus nidulans*

<400> 19563

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ccccgccgt cacaccgtcg tcattctact ttcgcgggcg gaactcaagc ctgtccttta 180  
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 <213> *Aspergillus nidulans*  
 <400> 19564

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19565

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<210> 19566  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19566  
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<210> 19567  
 <211> 1055  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19567

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 gtataccagc gccaccatcc aggtgacctc tcgtacatac atcaaggcag tcatagacag 360  
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 ctgtgatacg tccattctat acgactggat cgctgacacc agtgacctaca ttaaactact 480  
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<210> 19568  
 <211> 1055  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19568

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accgagagga ccaggattag cacatgaaga cagtcccat gaccaagtat aataccactc 180  
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<210> 19569  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19569  
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caggaacgtg gcaatccgcg cccggtgaag tcagtgcagc cgtctaccac gccctcaaag 180  
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gcatcaaagc cgccctctct gaaggcatcg tgaagcgctc cgagattttc gtgaccacga 300  
aactctgggtg cacataccac acgcgtatac agcaagcact agatctctct ctatcaaagc 360  
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<210> 19570  
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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 19570

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<210> 19571  
 <211> 1061  
 <212> DNA  
 <213> *Aspergillus nidulans*

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1061

<210> 19572  
<211> 1062  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19572

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<210> 19573  
<211> 1063  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19573

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<210> 19574  
<211> 1064  
<212> DNA  
<213> Aspergillus nidulans  
<400> 19574

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<210> 19575  
 <211> 1067  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19575

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 <213> *Aspergillus nidulans*  
 <400> 19576

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<210> 19577  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19577

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<210> 19578  
<211> 1069

<212> DNA  
<213> *Aspergillus nidulans*

<400> 19578

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<210> 19579  
<211> 1069  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19579

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gcgtcgcggc gccaaacaag caccgcgttta tccggtactt tgacggtttt acgcccggcg 240  
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<210> 19580  
<211> 1071  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19580

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<210> 19581  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19582  
 <211> 1071  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19582

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19583

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<210> 19584  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19584

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<210> 19586  
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 <213> *Aspergillus nidulans*  
 <400> 19586

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<212> DNA

<213> Aspergillus nidulans

<400> 19588

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<210> 19589

<211> 1077

<212> DNA

<213> Aspergillus nidulans

<400> 19589

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<210> 19590

<211> 1078

<212> DNA

<213> *Aspergillus nidulans*

<400> 19590

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<210> 19591  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19591

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<210> 19592  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19592

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 <211> 1080  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19593

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<210> 19594  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19594

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<210> 19595  
 <211> 1080  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19595

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 <211> 1080  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19597  
 <211> 1084  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19597

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<210> 19598  
 <211> 1086  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19598

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<210> 19599  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19599

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<210> 19600  
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 <213> Aspergillus nidulans

<400> 19600

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19601

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 <213> *Aspergillus nidulans*

<400> 19602

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19603

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19604

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 cagagaataa caagggggtc acaattgagg agattctgga gtatgctttc ttgcgtgcag 360  
 acttggactt tgtctccgcc caagcatcaa gggaggatga cgagctgagc aatgtctgcc 420  
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<210> 19605  
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 <213> *Aspergillus nidulans*  
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<211> 1091  
<212> DNA  
<213> *Aspergillus nidulans*  
  
<400> 19606

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19607

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<210> 19608  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19608

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 <213> *Aspergillus nidulans*  
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 <213> *Aspergillus nidulans*

<400> 19611

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<210> 19612  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19612

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<213> *Aspergillus nidulans*

<400> 19613

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<210> 19614  
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<212> DNA



<213> Aspergillus nidulans

<400> 19614

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<210> 19615

<211> 1100

<212> DNA

<213> Aspergillus nidulans

<400> 19615

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gcctttcaag gttctcctta cccagggcat ggttcacggc aaaacgtaca cggagccatc 180  
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 caaaaaaaca ggcgaaacgc gtcgtgtatc gtttgagaag atgtcgaaaa gcaaacacaa 300  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 19618

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 aggggtggcc cggtatgcct ggtatgcact ctctagcaac ctgaccttc aattctcact 720  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 19619

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<212> DNA  
<213> Aspergillus nidulans

<400> 19620

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<212> DNA  
<213> Aspergillus nidulans

<400> 19621

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<210> 19622

<211> 1111

<212> DNA

<213> *Aspergillus nidulans*

<400> 19622

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19627  
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 <213> *Aspergillus nidulans*

<400> 19627

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 <213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 19633

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 <213> Aspergillus nidulans

<400> 19634

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<210> 19635  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19635

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<210> 19636  
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<213> *Aspergillus nidulans*  
<400> 19636

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 <400> 19638

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 <213> *Aspergillus nidulans*

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<400> 19640

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 <213> Aspergillus nidulans

<400> 19641

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 <213> Aspergillus nidulans

<400> 19642

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<210> 19647  
<211> 1128  
<212> DNA  
<213> Aspergillus nidulans

<400> 19647

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gttactgata ctcttattcg accagaactc atggagtgtg atttagctgc tattattcga 180  
tccggccagc cactgaccga tgcgcactac caatccttca tctacaaat cctatgtgga 240  
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<210> 19648  
<211> 1132  
<212> DNA

<213> Aspergillus nidulans

<400> 19648

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aggtctccaa gcttggcgag gagcgccgcc gctacaacac accttacgtg gtaacaagc 1080  
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<210> 19649

<211> 1132

<212> DNA

<213> Aspergillus nidulans

<400> 19649

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acaaaccat ccagactctc accgaggcca gcgacactgt ctcactacta cacgtacata 180  
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 aaggcgactc agtggttctg agcggcagcg agtcggtaaa agatgatcat tctgctcagg 540  
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<210> 19650  
 <211> 1133  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 taagttagcg atggctgcgg gccacgtccg agcctccggg ctttgatcct tacgacgccg 180  
 tactctgcgg cgttgctgcc tttggctatc ttttttccg ccgacgagct acaacgacgg 240  
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 caacagacat cttcaacctc ctccccattt ccgaaagcct agatccaaac gaagcacagg 720  
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<210> 19651  
 <211> 1134  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19651  
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 gagtgtgtgt tttgtcgcgc ttttctgtgt tctggggtac atgaacgcgc ctaaactcgc 180  
 atcaacgac tttgaatact tcgtcagcct ggcgacgac tttgcgtcgc ttaactggct 240  
 cagtatcctg ctttcgtatc tcaacttcag acgtgggtata aagagacagg aaatcagctt 300  
 gaaagagagg tcttattcgc ctgtcctgca gccttatgga gcttactact caatgttcat 360  
 tactgttctc tgtatcgtct tctctggtag gcaaacaatt gcaaattcca gcctccaaat 420  
 cctctttact cataaaaaac aggttatgac gcattcatcc cacaattcaa agcagaccag 480  
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 tataagggag cccggtacgt gaggcctcgc cagatggatc tgacgacggg attctatgat 600



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cgatgatacc gtaccccttc tgggcaacaa aggggttatac caaacgctga gattagtgtc 780  
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cggctattga atgaagacac aagaggaagc agatttacgt attgtacctg agaatcagca 1020  
aggacctgct gctctggagg cccatagggc atctcttctg cattgtccga tgtccaccag 1080  
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<210> 19652  
<211> 1134  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19652  
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cgcagacgca aagcacgttc aactcccat ggcaacaaca tactacgagc aacgagcctc 180  
tgtgccaggt acactcctaa taagtgaagc aaccatcatc tctccacaac acggcggtta 240  
cccgcacgcg ccagggatct ggaactcgga gcaagtcgcc gcatggaaga aagtcaccga 300  
cgccgtccac accaagggca gctacatctt ctgccagttt gtcgcggtgg gccgggtagc 360  
agaccagcc accctaagag ccgacgcggg tatgaagtca cagcgcagcag cgctatcccc 420  
ctcgatgctg agaacggggg tgttcacaaa gagctcaccg aggaggacat ccaggctctt 480  
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 attagagagg ggctgccgct gaacaaatac gaccgggaca gcttctatgc gttcatgcag 1080  
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<210> 19653  
 <211> 1136  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19653

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 ggaacaccat tcggagccga agtcttgaca gggtgaaacc aggagaaacy gaaatggatc 360  
 gaatgattcg tggagcttat attggcaaac tgcattcctg acgctgagc agttggcatg 420  
 attcgactca ggggagtgtc acagataggt caattgaagg atctgagggg ggtgctgtgc 480  
 acaatacaga atctatgcag gaacgactga acgaagcccc actagtacgg atccattccg 540  
 agtgctatac gggggagaca gcttggtcgg ctccggtgtga ttgtggagag cagctcgacg 600  
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ctacctgttg aaacattgaa gactgagctg actctgactt ctggacaca gatttc 1136

<210> 19654  
<211> 1136  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19654

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catcatcaag aacctcaact ctgccaacct ggataagtcc gtcgaagttg tcgtctctcc 240  
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<210> 19655  
<211> 1136  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19655

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taccggctcc ctaacgcaca caaatggcag tgctgtcgtg cgagtcgggtg aactacagc 180  
cgtatcgggc atcaaagcgg agatcctaca cacggaagac attgctcat ggagcgtctc 240  
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<210> 19656

<211> 1136

<212> DNA

<213> *Aspergillus nidulans*

<400> 19656

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cgtttgccat gccgcaaaga aagaagttga cactggagat cacggcggga aataaatatc 180

ttcgggctag gaatcagacg tcgaaggagg tagagtttgg cgtgccgctg gacagagttc 240  
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<210> 19657  
 <211> 1136  
 <212> DNA  
 <213> *Aspergillus nidulans*  
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 <213> Aspergillus nidulans

<400> 19661

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<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 19701

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<213> *Aspergillus nidulans*

<400> 19704

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<400> 19711

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<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19714

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19715

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<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 19717

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<212> DNA  
<213> Aspergillus nidulans

<400> 19718

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<210> 19720  
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<213> *Aspergillus nidulans*

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<212> DNA  
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<400> 19743

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 <213> *Aspergillus nidulans*

<400> 19763

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 ggcgacaaca gcactcattc ttcaccccc aactcggctc cgctccgaag tgggtgtcgt 240  
 tcctagacaa tctggttgag gaaatggccg aagatccgaa cgaccccaac gccttcaacg 300  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19764

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<210> 19765  
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 <213> *Aspergillus nidulans*

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 ccaactggagc cagacaggtc gcgacctgt tacctgagct tgagcgtacc gggcaggaaa 1200  
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<210> 19766  
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 <213> *Aspergillus nidulans*

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 cccgtctgct acaatggaac tagtacgcaa ttgccaggcg gaggtccgat tctgaagag 180  
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<210> 19767  
<211> 1248  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19767

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cccgccgata tgggtgatgc gacaaggat gctactctcc atttctctc aagctccttc 180  
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aggctatcaa acaggctgtg gagactatgg ttgctgggtt caagaagggc aagcaaggat 1140  
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<210> 19768  
 <211> 1248  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19768

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cctctgggttc tacctgatcg agcgcggggt ctggatcgct cgtcgggg 1248

<210> 19769  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 19769

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<210> 19770  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19770

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<210> 19771  
 <211> 1249  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19771

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ctgtatcgac tcgaggttcc ggcgagacg cggtatcact ggctggaagg cttagcagag 1200  
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<210> 19772

<211> 1251

<212> DNA

<213> *Aspergillus nidulans*

<400> 19772

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